

## REPORT DOCUMENTATION PAGE

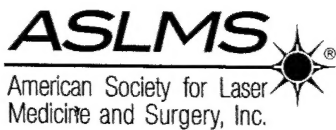
AFRL-SR-AR-TR-03-

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1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE	3. REFERENCE AND DATES COVERED
			15 MAR 2003 - 14 SEP 2003 Final Report
4. TITLE AND SUBTITLE 22ND ANNUAL MEETING OF THE AMERICAN SOCIETY FOR LASER MEDICINE AND SURGERY			5. FUNDING NUMBERS 62227D 0483/01
6. AUTHOR(S) Dr Walsh			
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) AMERICAN SOCIETY FOR LASER MEDICINE AND SURGERY INC 2404 STEWART SQUARE WAUSAU WI 54401			8. PERFORMING ORGANIZATION REPORT NUMBER
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) AFOSR/NE 4015 WILSON BLVD SUITE 713 ARLINGTON VA 22203			10. SPONSORING/MONITORING AGENCY REPORT NUMBER  F49620-03-1-0192
11. SUPPLEMENTARY NOTES			
12a. DISTRIBUTION AVAILABILITY STATEMENT APPROVED FOR PUBLIC RELEASE, DISTRIBUTION UNLIMITED			12b. DISTRIBUTION CODE
13. ABSTRACT (Maximum 200 words) The American Society of Lasers in Medicine and Surgery was held 9-13 April 2003 in Anaheim, CA. AFOSR funding enabled the participation of graduate students and post-doctoral fellows, and an workshop on "Covers in Laser Medicine", attended by over 150 people.			
<b>BEST AVAILABLE COPY</b> <b>20030731 051</b>			
14. SUBJECT TERMS			15. NUMBER OF PAGES
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Web: [www.aslms.org](http://www.aslms.org)

June 19, 2003

06-23-03P01:53 RCVD

Dr. Howard Schlossberg  
Medical Free Electron Laser (MFEL) Program Manager  
Air Force Office of Scientific Research  
Department of the Air Force  
801 North Randolph Street, Room 732  
Arlington, VA 22203-1977

Dear Dr. Schlossberg:

RE: AWARD NUMBER F49620-03-1-0192  
AMERICAN SOCIETY FOR LASER MEDICINE AND SURGERY

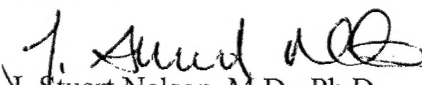
The 23<sup>rd</sup> Annual Meeting of the American Society for Laser Medicine and Surgery was held April 9-13, 2003. Judging from the comments of the participants and attendees, the meeting was extremely informative and helpful. A big part of the success of the meeting was due to the generous support of the Air Force Office of Scientific Research, which funded the registration fees and travel expenses to the meeting for graduate students and postdoctoral fellows.

In part, because of your grant, there was a 33% increase in the total number of abstracts submitted to the basic science and optical diagnostic sessions – the highest number in more than a decade. The workshop co-sponsored by The Whitaker Foundation and the U.S. Air Force Office of Scientific Research, "Careers in Laser Medicine," where the primary audience consisted of graduate students and postdoctoral fellows interested in pursuing careers in biomedical engineering and biomedical optics, was attended by 150 people.

Enclosed please find the final report regarding the Air Force Office of Scientific Research Recipients (see attached report). Please note that the remaining \$6,509.19 will be applied toward the "Careers in Laser Medicine" session expenses.

I was very proud of this year's meeting and want to sincerely thank you and the Department of the Air Force for your very generous grant for what was a very worthwhile opportunity for many future professional scientists. On behalf of the Society, please accept our heartfelt appreciation of your kindness and support.

Sincerely,



J. Stuart Nelson, M.D., Ph.D.

Basic Science and Optical Diagnostics Session Chair

*Executive Committee*

Thomas M. Brunner  
Los Altos Hills, CA

Joseph T. Walsh, Jr., Ph.D.  
Evanston, IL

Richard O. Gregory, M.D.  
Columbia, SC

Suzanne L. Kilmer, M.D.  
Sacramento, CA

Ellen H. Drake, M.D.  
San Francisco, CA

Jerome M. Gackler, M.D.  
San Francisco, CA

Roy G. Goronovus, M.D.  
New York, NY

# USAF Grant Recipients

<u>Recipient</u>	<u>Address</u>	<u>Funding For:</u>	<u>Amount</u>
Christian Baum	MEBRF-A, University of Iowa Carver College of Medicine, Iowa City, IA 52242	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
Matej Beltram	Ocesna Klinika Klinicni Center, Zaloska c:29/a, Ljubljana SI-1000, Slovenia	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
YongSeok Chae	Beckman Laser Institute and Medical Clinic, 1002 Health Sciences Road East, Irvine, CA 92612	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
Lynn Chiu	5305 Palo Verde Road, Irvine, CA 92612	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
Anna Cleta Croce	Histochemistry and Cyfometry, Piazza Botta 10, Pavia I-27100 Italy	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00

<u>Recipient</u>	<u>Address</u>	<u>Funding For:</u>	<u>Amount</u>
Kun Chen	Northwestern University, Room E310, 2145 Sheridan Road, Evanston, IL 60208	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
Doroty Dourado, M.D.	R. Tonico de Carvalho n, 130 Vila Sao Vicente, Campo Grande, Mato Grosso dol Sul, 79005-190, Brazil	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
Lars Hode, D.Sc.	Box 27137, Stockholm 10252, Sweden	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
Byungjo Jung	Beckman Laser Institute and Medical Clinic, 1002 Health Science Road East, Irvine, CA 92612	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	351.81 90.00 50.00 50.00
Jeehyun Kim	1626 West 6th Street #E, Austin, TX 78703	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
Young L. Kim	Northwestern University, Room E310, 2145 Sheridan Road Evanston, IL 60208	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00

<u>Recipient</u>	<u>Address</u>	<u>Funding For:</u>	<u>Amount</u>
David Kist	University of Minnesota, Dept. Dermatology, 4-240 PWB, Minneapolis, MN 55455-0392	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Non-Ablative Rejuvenation Workshop	500.00 90.00 50.00 50.00
Yang Liu	University of Chicago, Room E310, 2145 Sheridan Road Evanston, IL 60208	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Non-Ablative Rejuvenation Workshop	500.00 90.00 50.00 50.00
Dmitriy Protsenko	University of California Irvine, Beckman Laser Institute and Medical Clinic, Irvine, CA 92697-1475	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Non-Ablative Rejuvenation Workshop	316.42 90.00 50.00 50.00
Bin Rao	Beckman Laser Institute and Medical Clinic, 1002 Health Sciences Road East, Irvine, CA 92612	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	402.79 90.00 50.00 50.00
Ramesh K. Shori	UCLA - Electrical Engineering Dept. Eng. 4, Room 56-125B, Los Angeles, CA 90095	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	365.70 90.00 50.00 50.00

<u>Recipient</u>	<u>Address</u>	<u>Funding For:</u>	<u>Amount</u>
John Viator	Beckman Laser Institute and Medical Clinic, 1002 Health Sciences Road East, Irvine, CA 92612	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
Lutz Wilden	Kurallee 16, Bad Fussing, Bayern 94072, Germany	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
Alvin Yeh	Biomedical Engineering, Beckman Laser Institute and Medical Clinic, 1002 Health Sciences Road East, Irvine, CA 92612	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	64.09 90.00 50.00 50.00
Jong-In Youn	Beckman Laser Institute and Medical Clinic, 1002 Health Sciences Road East, Irvine, CA 92602	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
Vladimir Zharov	4301 West Markham Street, Slot 543, Little Rock, AR 72205-7199	Travel Expenses Meeting Registration Optical Diagnostic Imaging Workshop Vascular Lesions Workshop	500.00 90.00 50.00 50.00
Total Funds Awarded:			\$13,490.81
Total Funds Received from USAF:			20,000.00
			\$6,509.19



Program  
Annual Meeting of the  
Society for Laser  
Medicine and Surgery

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Anaheim, California . USA  
April 9-13, 2003

Wednesday, April 9, 2003

Thursday, April 10, 2003

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**Laser and Light Source Hair Removal Course**  
 1:30 p.m. - 5:00 p.m. Pacific Ballroom D  
 David J. Goldberg, M.D., J.D., Director  
 Eliot F. Battle, Jr., M.D.  
 Melanie C. Grossman, M.D.  
 Suzanne L. Kilmer, M.D.  
 Neil S. Sadick, M.D.  
 Brian D. Zelickson, M.D.

**Laser Safety: Beyond Signs & Goggles Course**  
 7:00 a.m. - 9:00 a.m. Laguna AB  
 Penny J. Smalley, R.N., Director

**Nursing/Allied Health Course\***  
 9:15 a.m. - 5:15 p.m. Huntington BC  
 Dorothy C. Mitchell, R.N., Director Mary Flor, R.N.  
 Kathleen Buschman, R.N. Tiffani Hamilton, M.D.  
 Norman C. Davis, Esq. Faye Jenkins, R.N.  
 Christine C. Dierickx, M.D. Patti Owens, R.N.  
 Dale Goodwin McMeekin, R.N. Thomas E. Rohrer, M.D.

\*Laser Safety Course is included as part of the Nursing/Allied Health course fee and is required to be taken in order to obtain maximum number of CEU contact hours

**Non-Ablative and Ablative Laser Resurfacing Course** 9:00 a.m. - 12:00 p.m. Pacific Ballroom B

Tina S. Alster, M.D., Director David J. Goldberg, M.D., J.D.  
 A. Jay Burns, M.D. Suzanne L. Kilmer, M.D.  
 Richard E. Fitzpatrick, M.D. Javier Ruiz-Esparza, M.D.  
 Christopher B. Zachary, M.D.

**Basic Laser Biophysics: Lasers, Laser-Tissue Interactions, and the Patient Course**  
 9:00 a.m. - 12:00 p.m. Huntington A

Joseph T. Walsh, Jr., Ph.D., Co-Director  
 J. Stuart Nelson, M.D., Ph.D., Co-Director

## "How I Do It Luncheon" Sessions

12:15 p.m. - 1:15 p.m.  
**Hair Removal (Santa Monica)** Eliot F. Battle, Jr., M.D.  
**Vascular Lesions including Leg Veins (Malibu)** Jerome M. Garden, M.D.  
**Non-Ablative Resurfacing: A Structural Approach (Avila AB)** Neil S. Sadick, M.D.  
**Non-Ablative Resurfacing (San Simeon)** Gary P. Lask, M.D.  
**Ablative Resurfacing (Palos Verdes AB)** Richard E. Fitzpatrick, M.D.  
**Laser Treatment in Asians (Capistrano AB)** Henry Chan, M.D.

**Laser Treatment of Vascular Lesions including Leg Veins Course - 1:30 p.m. - 5:30 p.m.** El Capitan AB  
 Jeffrey S. Dover, M.D., Director E. Victor Ross, M.D.  
 R. Rox Anderson, M.D. Thomas E. Rohrer, M.D.  
 Kenneth A. Arndt, M.D. Neil S. Sadick, M.D.  
 Christine C. Dierickx, M.D. Agneta Troilius, M.D., Ph.D.  
 Roy G. Geronemus, M.D. Brian D. Zelickson, M.D.  
 Arielle N.B. Kauvar, M.D. Robert A. Weiss, M.D.  
 Michael Landthaler, M.D.

**Wine & Cheese Reception (4/9 - 4/10 course attendees only) - 5:30 p.m. - 6:30 p.m.**

## EXHIBIT HALL HOURS

FRIDAY, APRIL 11, 2003

8:00 A.M. - 4:00 P.M.

SATURDAY, APRIL 12, 2003

8:00 A.M. - 1:30 P.M.

5:00 P.M. - 7:30 P.M.

SUNDAY, APRIL 13, 2003

8:00 A.M. - 12:00 P.M.

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# - PROGRAM-AT-A-GLANCE

**Friday, April 11, 2003**

**Collagen Remodeling and Non-Ablative Photorejuvenation Workshop\*** Pacific Ballroom C  
8:00 a.m. - 10:00 a.m.  
Brian D. Zelickson, M.D., Director  
Mark D.P. Davis, M.D.  
Christine C. Diericks, M.D.  
Roy G. Geronemus, M.D.  
David J. Goldberg, M.D., J.D.  
E. Victor Ross, M.D.  
Joseph T. Walsh, Jr., Ph.D.

**Optical Diagnostic Imaging Workshop\*** Pacific Ballroom B  
8:00 a.m. - 10:00 a.m.  
R. Rox Anderson, M.D., Director  
Mildred Rajadhyaksha, Ph.D.  
Lev T. Perelman, Ph.D.  
Bruce Tromberg, Ph.D.  
Johannes de Boer, Ph.D.  
Steven L. Jacques, Ph.D.  
\*Registration Fee Required

## Plenary Session

10:30 a.m. - 11:45 a.m. Pacific Ballroom C

George J. Hruza, M.D., M.B.A., Suzanne L. Kilmer, M.D. - Welcome

Kenneth A. Arndt, M.D. - Leon Goldman Award

Martin J.C. van Gemert, Ph.D. - Caroline and William Mark Memorial Award

Robert A. Weiss, M.D. - Ellet H. Drake Lectureship Award

## Video Session

12:00 p.m. - 12:45 p.m. Pacific Ballroom D

## Breakout Sessions

1:00 p.m. - 5:30 p.m.

Basic Science: The Cutting Edge in Optical Diagnostics and Therapeutics of Tissues and Cells Pacific Ballroom D

Dermatology/Plastic Surgery & Expert Panel Pacific Ballroom C

Nursing/Allied Health Avila AB  
Nursing/Allied Health Business Meeting

Photobiomodulation Laguna AB

PDT/Oncology Huntington ABC

Surgical Applications Pacific Ballroom B

## Careers in Laser Medicine Session

5:45 p.m. - 6:45 p.m. Pacific Ballroom D

**Saturday, April 12, 2003**

**Optimizing Laser Parameters for Treatment of Cutaneous Vascular Lesions Workshop\*** Pacific Ballroom C  
8:00 a.m. - 10:00 a.m.  
Christine C. Diericks, M.D., Director  
R. Rox Anderson, M.D.  
Jeffrey S. Dover, M.D.  
Arielle N.B. Kaminer, M.D.  
Anneta Trailua, M.D., Ph.D.  
Mildred Rajadhyaksha, M.D.  
Robert A. Weiss, M.D.  
Brian D. Zelickson, M.D.

\*Registration Fee Required

## Plenary Session

10:30 a.m. - 11:25 a.m. Pacific Ballroom C

Suzanne L. Kilmer, M.D. - Presidential Citations

Donna C. Gabriel, L.P.N. - Nursing/Allied Health Excellence Award

Roy G. Geronemus, M.D., Plenary Session

## ASLMS BUSINESS MEETING

11:25 a.m. - 12:00 p.m. - MEMBERS ONLY

## Video Session

12:15 p.m. - 1:00 p.m. Pacific Ballroom D

## Breakout Sessions

1:15 p.m. - 5:00 p.m.

Basic Science: The Cutting Edge in Optical Diagnostics and Therapeutics of Tissues and Cells Pacific Ballroom D

Dentistry/O&M Avila AB

Dermatology/Plastic Surgery & Expert Panel Pacific Ballroom C

Photobiomodulation Laguna AB

PDT/Oncology Huntington ABC

Surgical Applications Pacific Ballroom B

## Wine & Cheese Reception /

## Poster Session

5:00 p.m. - 7:30 p.m.

All attendees welcome - Posters will be manned from 5:00 p.m. - 7:00 p.m.

**Sunday, April 13, 2003**

## AM Breakout Sessions

8:00 a.m. - 10:00 a.m.

Basic Science: The Cutting Edge in Optical Diagnostics and Therapeutics of Tissues and Cells Pacific Ballroom AB

8:00 a.m. - 12:30 p.m.

Dermatology/Plastic Surgery & Expert Panel Pacific Ballroom C

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**Friday, April 11, 2003**

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**Workshop\*** Pacific Ballroom C

8:00 a.m. - 10:00 a.m.

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Mark D.P. Davis, M.D.  
Christine C. Dierickx, M.D.  
Roy G. Geronemus, M.D.  
David J. Goldberg, M.D., J.D.  
E. Victor Ross, M.D.  
Joseph T. Walsh, Jr., Ph.D.

## Optical Diagnostic Imaging

**Workshop\*** Pacific Ballroom B

8:00 a.m. - 10:00 a.m.

R. Rox Anderson, M.D., Director  
Milind Rajadhyaksha, Ph.D.  
Lev T. Perelman, Ph.D.  
Bruce Tromberg, Ph.D.  
Johannes de Boer, Ph.D.  
Steven L. Jacques, Ph.D.

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## Optimizing Laser Parameters for Treatment of Cutaneous Vascular Lesions Workshop\*

Pacific Ballroom C

8:00 a.m. - 10:00 a.m.

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R. Rox Anderson, M.D.  
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Agneta Troilius, M.D., Ph.D.  
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Robert A. Weiss, M.D.  
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Donna C. Gabriel, L.P.N. - Nursing/Allied Health Excellence Award

Roy G. Geronemus, M.D., Plenary Session

## ASLMS BUSINESS MEETING

11:25 a.m. - 12:00 p.m. - MEMBERS ONLY

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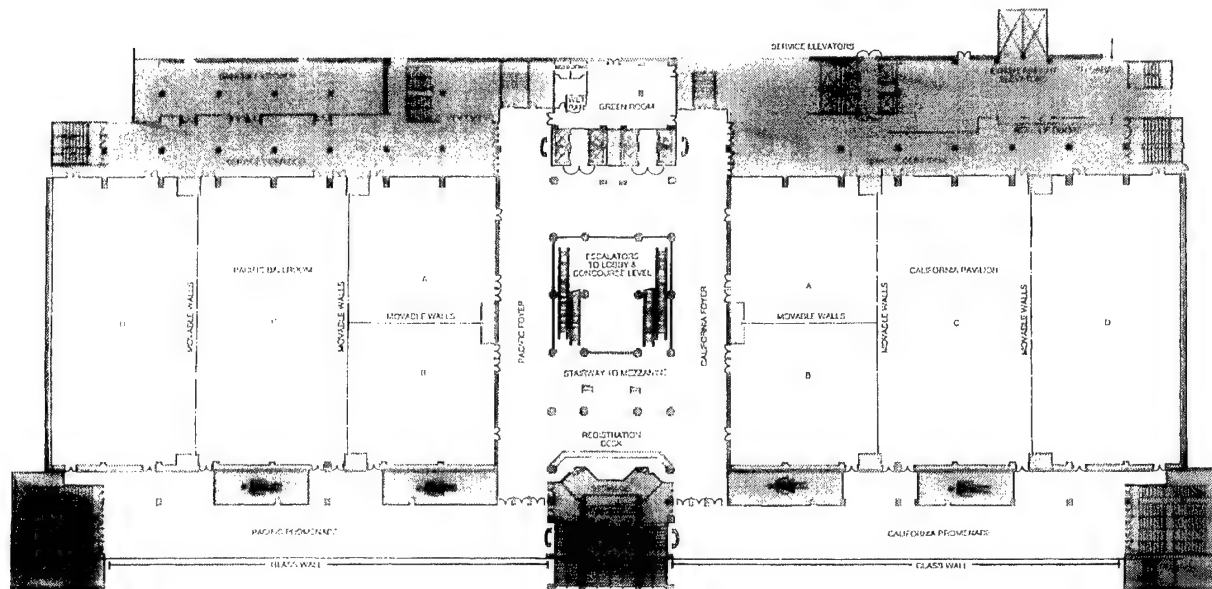
8:00 a.m. - 12:30 p.m.

Dermatology/Plastic Surgery & Expert Panel Pacific Ballroom C

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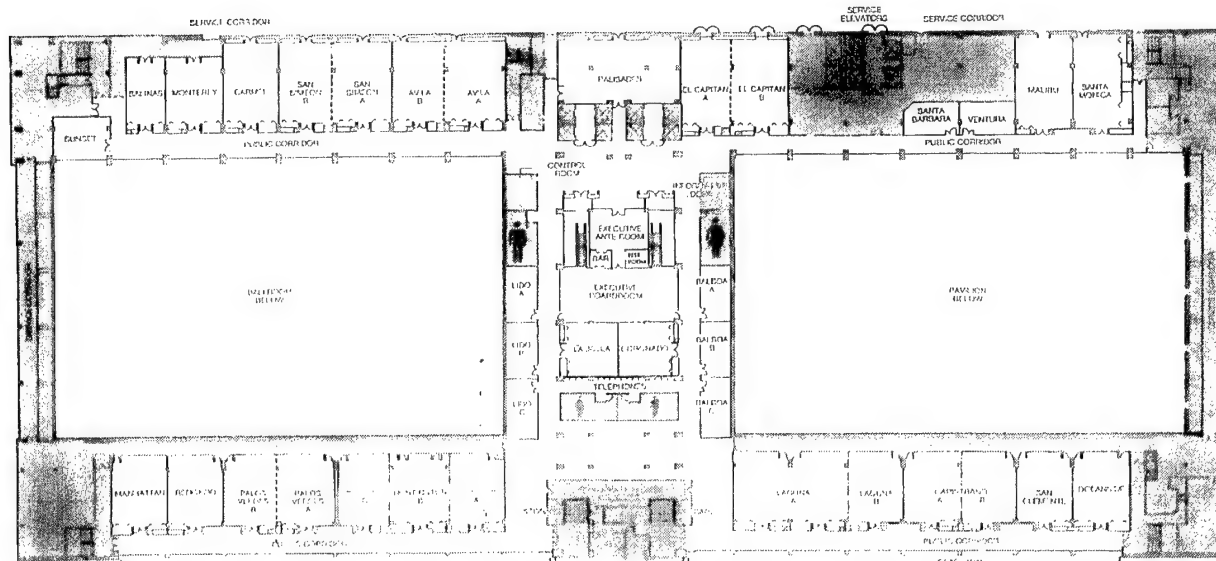
# BALLROOM LEVEL

(SECOND FLOOR)



# CONCOURSE LEVEL

(FOURTH FLOOR)



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# Ellipse Flex

## The Multi Application IPL Platform 5 Good Reasons To Choose Ellipse Flex

### 1. Start with one Application - add more later - "Pay As You Go"

- Hair Removal
- Treatment of Vascular Lesions
- Treatment of Pigmented Lesions
- Photo Rejuvenation
- Future IPL Treatments

### 2. Excellent Treatment Results - Efficient and Safe

The Ellipse Flex is developed in cooperation with leading dermatologists. The clinical performance is proven from years of use in clinics world-wide. The patent pending Dual Mode filtering system is a unique combination of high efficiency and low risk of side effects.

### 3. Easy and Fast

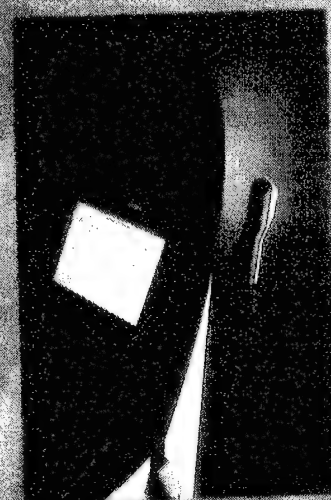
The hand-piece offers a large spot size of 15 cm x 10 cm to ensure fast treatments. It is small, lightweight and ergonomic to minimise strain on the operator. Ellipse Flex is easy to use and includes all training aids and hints to help you optimise the treatment.

### 4. Training and Support

- DDD offers a complete package together with the system:
- Installation and Start Up
- Clinical Training
- Clinical Hot Line Support
- Local Service
- Marketing Tools

### 5. Reliability and Quality

Reliability and quality are ensured via extensive clinical and technical testing and via the DDD EN / ISO 9001 quality procedures. All DDD products meet the most stringent international safety and quality requirements and are CE marked as per the YEC Medical Directive.



**Ellipse**  
FLEX

Photo Rejuvenation

Pigmented Lesions

Vascular Lesions

Hair Removal

Danish Dermatologic Development A/S is committed to quality service and support.

We conduct extensive clinical research to further expand the applications for the Ellipse Flex system.

New treatment options are offered to new and existing customers, only when they are clinically documented to be safe and effective.

For more information, please contact us - and/or visit our web site [www.1d.dk](http://www.1d.dk)

**Come and visit us at our booth no. 804/806**

Dermatologic Development A/S

Dr. Nielsgaard Vej 15  
DK-2970 Hørsholm, Denmark  
Tel: +45 45 75 80 00  
Fax: +45 45 76 80 00  
E-mail: [sales@1d.dk](mailto:sales@1d.dk)  
www.1d.dk

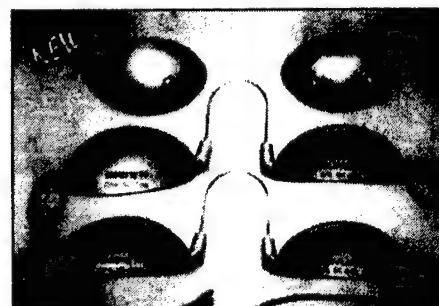
# Stainless Steel Shields and Instruments.



## The Durette® II External Ocular Shields\*

To better protect the ocular globes, with more comfort and control.

- 1mm all-stainless-steel laser safe surface.
- Simple, practical designs, not in your way.
- Completely blocks direct light. The patient will feel safe. The treated surface inside will diffuse whatever light penetrates through the skin, a significant improvement for your patients' comfort.
- Adjustable nosepiece and headband means comfort for the patient.
- Offers a more durable welded assembly.
- Now in 2 smaller versions allowing you to work closer to the globe. The Durette II small and the Indi. The Indi are unattached individual shields with 2 handles for your control.
- Will not press the globe. The patient can open eyes to help position external shields.
- Easily cleaned surfaces. Can be cleaned with alcohol. Autoclavable. Changeable headbands.



From top, the Durette II Indi, small and regular.



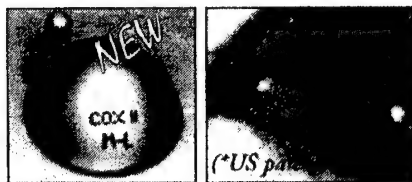
(\*US patent, international patent-pending)



Treated inside to diffuse light.

Features a strong assembly.

## New Cox® II H\* Left and right eyeshields With offset handle.



- Vaulted at the cornea, the new Cox II H is marked for size and has a safety ring at the edge. The posterior surface and the rounded edge are highly polished, to assure patient's comfort and safety.
- The Cox II H with offset handle facilitates insertion and removal. The handle is near the lower lid to allow closure without the upper lid pressing on the handle and causing rotation or displacement of the shield, risking corneal irritation or exposure of the globe.
- Cox II H, left and right (s, m, l)

## The OPSOFT laser mouthguard For protection during hair removal with laser or IPL systems.



- Eliminates pain from the laser fluence of the teeth, gums, and buccal mucosa; and offers protection at the same time.
- The soft rubbery polymer easily conforms to the buccal area. Better than dental rolls. May be used over dental braces. Single use. White. Bag of 10.



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plastic shields  
Premium Quality  
Polishing

Black or transparent yellow.  
Plastic not for laser applications.

with suction cup with handle



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Fax (514) 381-1164  
<http://www.oculoplastik.com>  
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AS SEEN IN  
ASLMS program

# PRESIDENTIAL GREETING



**Suzanne L. Kilmer, M.D.**  
**ASLMS President**

Laser and Skin Surgery Medical  
Group, Inc., Sacramento, CA

Welcome to the 23rd Annual Meeting of the American Society for Laser Medicine and Surgery (ASLMS) to be held at the Hilton in Anaheim, CA on April 9-13, 2003. During this meeting, I look forward to interacting with as many of you as possible.

Our meeting has a long history of being first in the presentation of new lasers, new techniques, new protocols and new clinical applications. Significant new clinical applications are frequently discovered and then discussed by the participants at this meeting. The multidisciplinary nature is unique and facilitates interactions and research among the various specialties. George Hruza, M.D., the Program Chair, is to be commended for planning and implementing yet another outstanding program that features nationally and internationally recognized speakers.

Not only are all the major disciplines of laser surgery and photomedicine represented on the program, but many participants will come from outside the United States, adding to the diversity of the meeting. In addition, this meeting will assemble a group of investigators from academia, governmental agencies, national laboratories and industry to examine the future applications of lasers and optical sciences in medicine and surgery. Particular emphasis will be placed on technological advances that are close to clinical application and/or commercial development.

In addition to the regular scientific sessions mentioned above, the meeting will also highlight a number of pre-meeting courses, expert panels, luncheons, and workshops on such topics as hair removal, laser biophysics, laser skin resurfacing, non-ablative skin rejuvenation, treatment of cutaneous vascular lesions, nursing, and optical diagnostics.

In addition to the meeting sessions you can enjoy the warm, sunny Southern California beaches and amusement parks such as Newport Beach, Disneyland, Universal Studios, Knott's Berry Farm, and more.

I especially want to thank the ASLMS staff, Dr. George Hruza, and the Board of Directors, all of whom made a tremendous effort to make this meeting as enlightening and enjoyable as possible.

A handwritten signature in cursive script that reads "Suzanne Kilmer, MD".

Suzanne L. Kilmer, M.D.  
ASLMS President

# Thank You

When the American Society for Laser Medicine and Surgery (ASLMS) was initially conceived, the fields of laser surgery and photomedicine were a frontier that engendered great enthusiasm and hope of innovative things to come. While recognizing the tremendous contributions of the more experienced members, an infusion of younger members from the basic sciences and engineering to the ASLMS is a lifeline to our organization. Recruitment of such members can revitalize our goals, energize our direction, and perhaps recapture that original excitement of being on the verge of new discoveries. Encouraging the basic scientists and engineers of today and tomorrow to pursue realistic solutions to medical problems utilizing the laser benefits everyone!

Our Annual Meeting provides an ideal venue to attract younger members to the Society, and to spur their creativity. I am pleased to report that over \$25,000 has been raised to support the attendance of graduate students and postdoctoral fellows at this year's annual meeting in Anaheim. The Society is grateful to **Dr. Peter Katona, President of the Whitaker Foundation**, and **Dr. Howard Schlossberg, Program Manager at the Air Force Office for Scientific Research**, for considering such financial support to be a worthwhile scientific and research endeavor.

The ASLMS must provide increased financial and educational support to expose the future generation of basic scientists and engineers to biomedical optics and photomedicine. This investment must be made now at a critical time in the history of our organization. Today's graduate students and post-doctoral fellows will spearhead the design of new optical based technologies for diagnostic/therapeutic devices and processes.

Thirty-four individuals were awarded grants and a list of grant recipients can be found on pages 60 of this program. A big congratulations to them and a warm welcome to all of our scientists - basic and clinical!

Suzanne L. Kilmer, M.D.  
ASLMS President

# PRE-CONFERENCE COURSES

## APRIL 9-10, 2003

The following courses have been added to enhance the 2003 Annual Meeting. A separate registration fee must be paid in order to attend these courses.

### **Laser and Light Source Hair Removal**

**Wednesday, April 9**

**1:30 p.m. - 5:00 p.m.**

**David J. Goldberg, M.D., J.D., Director  
Pacific Ballroom D**

This course will allow both the novice and experienced attendee to take another look at the past, present, and future of laser and light source hair removal. In addition to wavelength specific didactic lectures, the topics of cooling and treatment of ethnic skin types will be addressed. Complications and regulatory issues will be explored. The popular "Pearls and Problems" will be expanded. There will be ample time for faculty directed questions.

**Course Instructors:** Eliot F. Battle, Jr., M.D., Melanie C. Grossman, M.D., Suzanne L. Kilmer, M.D., Neil S. Sadick, M.D., Brian D. Zelickson, M.D.

### **LASER and OTHER ACRONYMS - Safety Beyond Signs and Goggles**

**Thursday, April 10**

**7:00 a.m. - 9:00 a.m.**

**Penny J. Smalley, R.N., Director  
Laguna AB**

LASER, OSHA, JCAHO, ANSI, DOH, AAAHC, OD, FDA, CDRH, IEC, MPE, AEL, FLPPS, NHZ, PD, LSO, LSC, HCLS, HCP, LGAC, LTCA, CW, PRR, VLT, SHOULD AND SHALLS.....

This course will explore the maze of regulations and standards, and will define those agencies and procedures that govern laser safety from a risk management perspective, with a focus on administrative, and procedural control measures. At the conclusion of the course, participants will be able to: 1) discuss the scientific basis for laser safety, as a means for risk assessment and development of control measures; 2) identify those agencies that govern the use of medical lasers through standards, regulations, and professional guidelines; 3) determine administrative control measures appropriate to individual practice settings, including the role of the LSO, the safety committee, documentation, and credentialing, and 4) discuss the implementation of procedural control measures, that are based on ANSI Z136.3 and professional recommended practices.

### **Basic Laser Biophysics: Lasers, Laser-Tissue Interactions, and the Patient**

**Thursday, April 11**

**9:00 a.m. - 12:00 p.m.**

**Joseph T. Walsh, Jr., Ph.D., Co-Director  
J. Stuart Nelson, M.D., Ph.D., Co-Director  
Huntington A**

The objective of this course is for attendees to understand the basics of lasers, laser-tissue interactions as applied to medical procedures practiced in 2003, and the basic science of various optical devices (lasers and non-laser optical sources, fiber optics and other delivery devices, and lenses and other optical components). The emphasis will be on developing a practical understanding that can be translated into a medical setting. Specific topics to be covered include: 1) general optical issues (geometric optics such as reflection and refraction, lenses and lens systems, the electromagnetic spectrum, sources of light, and measurements devices), 2) basic spectroscopy (as it relates to the understanding of lasers, light sources, and photodynamic therapy), 3) models for the propagation of light in tissue (especially as these models relate to the diagnosis and treatment of patients), 4) optical-thermal interactions (including selective photothermolysis), 5) optical-mechanical interactions (e.g. as this relates to non-ablative treatments), 6) laser cutting of tissue (including continuous wave, pulsed and plasma-mediated ablation), 7) photosensitization and photodynamic therapy, and 8) optical fibers and delivery systems.

# PRE-CONFERENCE COURSES

## APRIL 9-10, 2003

The following courses have been added to enhance the 2003 Annual Meeting. A separate registration fee must be paid in order to attend these courses.

<b>Non-Ablative and Ablative Laser Resurfacing</b>	<b>Tina S. Alster, M.D., Director</b>
<b>Friday, April 10</b>	<b>Pacific Ballroom B</b>
<b>9:00 a.m. - 12:00 p.m.</b>	

This course is designed for those practitioners who are already familiar with basic laser skin resurfacing techniques. Lectures will focus on specific advanced techniques for photodamaged and scarred skin using the latest resurfacing laser systems available, including pulsed and scanned CO<sub>2</sub> and Er:YAG systems, as well as various nonablative laser and other systems. Patient selection and preparation, intraoperative set-up, anesthesia, expected clinical outcomes, post-operative management, and possible side effects and complications will be reviewed in detail. In addition, combination laser lifting procedures will be discussed. Participants are encouraged to bring difficult or problem resurfacing cases for discussion. Upon completion of the course, the participant should have furthered his or her understanding of laser skin resurfacing, including appropriate management of difficult cases and complications.

**Course Instructors:** A. Jay Burns, M.D., Richard E. Fitzpatrick, M.D., David J. Goldberg, M.D., J.D., Suzanne L. Kilmer, M.D., Javier Ruiz-Esparza, M.D., Christopher B. Zachary, M.D.

<b>Nursing/Allied Health / (fee includes Laser Safety Course)</b>	<b>Dorothy C. Mitchell, R.N., Director</b>
<b>Friday, April 10</b>	<b>Huntington BC</b>
<b>7:00 a.m.* - 5:15 p.m.</b>	

The use of new laser technology involves the application of highly technical skills. Medically directed and supervised laser treatments are increasing and clinical procedures are commonly performed by nurses and allied health professionals, when permitted. Those individuals taking the Nursing/Allied Health Course will first attend the Laser Safety Course with other specialties from 7:00 a.m. to 9:00 a.m. The Nursing/Allied Health Laser Course will follow from 9:15 a.m. to 5:15 p.m. and will focus on the most significant advances in medical and surgical laser procedures. Recognized leaders from several laser specialty areas will share their expertise during the morning didactic presentations. The afternoon session will include basic laser nursing topics and strategies that will deal with the challenges of implementing and evaluating new technology. Additional sessions will review and evaluate current and research devices and will incorporate the opportunity to network with colleagues. Attend the sessions outlining administrative roles or learn more about popular aesthetic clinical procedures. The continually evolving world of regulatory and legal issues will also be debated. Lasers have revolutionized health care. Explore the challenges, opportunities and solutions with your nurse and allied health care professional colleagues on the vanguard of laser technology.

**Course Instructors:** Kathleen Buschman, Norman C. Davis, Esq., Christine C. Dierickx, M.D., Mary Flor, R.N., Dale P. Goodwin McMeekin, R.N., Tiffani Hamilton, M.D., Faye M. Jenkins, R.N., Patti Owens, R.N., Thomas E. Rohrer, M.D.

*\*Please note that course fee includes Laser Safety Course (7:00 a.m. - 9:00 a.m.); nursing/allied health portion begins at 9:15 a.m.*

<b>Treatment of Vascular Lesions Including Leg Veins</b>	<b>Jeffrey S. Dover, M.D., Director</b>
<b>Friday, April 10</b>	<b>El Capitan AB</b>
<b>1:30 p.m. - 5:30 p.m.</b>	

This course will be directed at individuals with some experience in laser treatment of vascular anomalies and leg veins. It is designed for dermatologists, plastic surgeons, vascular surgeons and all physicians currently performing cutaneous laser surgery or treating vascular abnormalities and/or leg veins. The physicians should have a working knowledge of the physics of lasers and laser-tissue interactions as well as the practical use of lasers in cutaneous diseases. The course should enhance the participants understanding of lasers and non-coherent light sources in the treatment of vascular abnormalities and leg veins. Topics on vascular lesions and leg veins will be discussed in order to give the participants a basis of understanding of the use of lasers and light sources in this field and also practical treatment information.

**Course Instructors:** R. Rox Anderson, M.D., Kenneth A. Arndt, M.D., Christine C. Dierickx, M.D., Roy G. Geronemus, M.D., Arielle N.B. Kauvar, M.D., Michael Landthaler, M.D., E. Victor Ross, M.D., Thomas E. Rohrer, M.D., Neil S. Sadick, M.D., Agneta Troilius, M.D., Ph.D., Brian D. Zelickson, M.D., Robert A. Weiss, M.D.

# **LUNCHEONS - APRIL 10, 2003**

The ASLMS is pleased to offer the following "How I Do It" Luncheon Sessions for the 2003 Annual Meeting. These will be 1-hour lunch sessions (12:15 p.m. - 1:15 p.m.), where a number of recognized leaders in their field will demonstrate and discuss their specific approach to a designated laser procedure to a small group of attendees. Sign up for these to learn all the pointers to enhance your laser acumen! Space is limited to 45 attendees per luncheon and lunch will be served. A separate registration fee must be paid in order to attend these sessions.

<b>Hair Removal - Is it Permanent and How Safe is it Really on Darker Skin (Ethnic and Sun-Tanned Skin)?</b>		
<b>Thursday, April 10</b>	<b>12:15 p.m. - 1:15 p.m.</b>	<b>Eliot F. Battle, Jr., M.D., Director Santa Monica</b>
<p><i>Eliot F. Battle, Jr., M.D.</i>  <i>Assistant Professor of Dermatology, Howard University, Washington, DC</i>            Wonderful advances in laser hair removal have taken place over the last 7 years. Currently there are hundreds of systems to choose from with varying wavelengths and pulse durations. The session will focus on how to choose the right system depending upon your patient population and techniques to improve safety and efficacy.</p>		
<b>Vascular Lesions Including Leg Veins</b>		
<b>Thursday, April 10</b>	<b>12:15 p.m. - 1:15 p.m.</b>	<b>Jerome M. Garden, M.D., Director Malibu</b>
<p><i>Jerome M. Garden, M.D.</i>  <i>Associate Professor of Dermatology and Biomedical Engineering, Northwestern University, Chicago, IL</i>            Advances in cutaneous vascular lesion laser therapy has been remarkable. However, the field remains littered with many claims and devices. An attempt to evaluate both the lesions and potential laser systems will be made. It is hoped that by the end of the session, the participant will have a clearer understanding of the related issues.</p>		
<b>Non-Ablative Resurfacing</b>		
<b>Thursday, April 10</b>	<b>12:15 p.m. - 1:15 p.m.</b>	<b>Gary P. Lask, M.D., Director San Simeon AB</b>
<p><i>Gary Lask, M.D.</i>  <i>Clinical Professor, Director of Dermatologic Surgery and the Dermatology Laser Center, The David Geffen School of Medicine at UCLA</i>            Non-ablative skin rejuvenation continues to increase in popularity. A variety of lasers, light sources, as well as radiofrequency devices are being used. This session will discuss the majority of the systems available, their present recommended treatment protocols, as well as the potential benefits, limitations, and complications.</p>		
<b>Ablative Resurfacing: A Structural Approach</b>		
<b>Thursday, April 10</b>	<b>12:15 p.m. - 1:15 p.m.</b>	<b>Neil S. Sadick, M.D., Director Avila AB</b>
<p><i>Neil S. Sadick, M.D.</i>  <i>Clinical Professor of Dermatology, Weill Medical College of Cornell University, New York, NY</i>            A structural approach to non-ablative technologies will allow the attendees of this luncheon to understand which laser and radiofrequency techniques are effective for a given patient. A new classification system for treating aging skin will be presented as well as concomitant novel cosmeceutical products which may be utilized in the non-ablative setting. The attendees of this luncheon will master an integrated approach to non-ablative rejuvenation.</p>		
<b>Ablative Resurfacing</b>		
<b>Thursday, April 10</b>	<b>12:15 p.m. - 1:15 p.m.</b>	<b>Richard E. Fitzpatrick, M.D., Director Palos Verde AB</b>
<p><i>Richard E. Fitzpatrick, M.D.</i>  <i>Dermatology Associates of San Diego County, Inc., Encinitas, CA</i>            Certain patients will benefit most significantly from ablative resurfacing. How to choose those patients and treat them effectively and safely will be discussed. Operative techniques using a variety of lasers and effective post-operative regimens that enhance healing will be covered as well.</p>		
<b>Laser Treatment in Asians: Lentigines, Hori's Macules, Nevus of Ota and Non-Ablative Skin Rejuvenation</b>		
<b>Thursday, April 10</b>	<b>12:15 p.m. - 1:15 p.m.</b>	<b>Henry Chan, M.D., Director Capistrano AB</b>
<p><i>Henry H.L. Chan, M.D.</i>  <i>Associate Professor and Chief of Dermatology, University of Hong Kong, Hong Kong</i>            Laser surgery for darker skin types differ from that for Caucasians in several important aspects. Some conditions such as nevus of Ota are commonly seen in Asians. Furthermore, Asians with photodamage tend to have more pigmentary problems but less wrinkling than Caucasians. This session will particularly focus on the use of laser and IPL for non-ablative skin rejuvenation and the treatment of pigmentary conditions in Asians</p>		

# **WORKSHOPS - APRIL 11-12, 2003**

The following workshops have been added to enhance the 2003 Annual Meeting. A separate registration fee must be paid in order to attend these workshops.

<b>Optical Diagnostic Imaging</b>	<b>R. Rox Anderson, M.D., Director</b>
<b>Friday, April 11</b>	<b>Pacific Ballroom B</b>
<b>8:00 a.m. - 10:00 a.m.</b>	
<p>Optical diagnostics are rapidly emerging, new technologies which have not yet penetrated mainstream medicine. Together, they represent a new field of biomedical engineering. They include novel imaging, endoscopy, and in vivo microscopies, often based on laser technology. Most are now at an early stage of development, e.g., in laboratory, animal, and phase-I clinical studies at present. This 2-hour workshop will update, criticize and discuss specific optical diagnostic technologies relevant to medicine and biomedical research. The faculty will present short lectures on emerging optical diagnostic technologies, emphasizing advantages, problems, and potential applications in medicine and surgery. An open speaker panel discussion and Q/A session moderated by the director will close the workshop.</p>	
<p><b>Workshop Instructors:</b> Milind Rajadhyaksha, Ph.D., Lev T. Perelman, Ph.D., Bruce Tromberg, Ph.D., Johannes de Boer, Ph.D., Steven L. Jacques, Ph.D.</p>	

<b>Dermal Remodeling and Non-Ablative Photorejuvenation</b>	<b>Brian D. Zelickson, M.D., Director</b>
<b>Friday, April 11</b>	<b>Pacific Ballroom C</b>
<b>8:00 a.m. - 10:00 a.m.</b>	
<p>This workshop will be directed at individuals with some experience in non-ablative dermal remodeling and a general understanding of wound healing. It is designed for dermatologists, plastic surgeons, vascular surgeons and all physicians currently performing non-ablative dermal remodeling. The physicians should have a working knowledge of the physics of lasers and laser tissue interactions as well as the practical use of lasers in cutaneous diseases. The workshop should enhance the participants' understanding of lasers and non-coherent light sources in the treatment of photodamaged skin and scars. Each participant will cover topics within their expertise in order to give the participants useful tips that will improve their own patient management.</p>	
<p><b>Workshop Instructors:</b> Mark D.P. Davis, M.D., Christine C. Dierickx, M.D., Roy G. Geronemus, M.D., David J. Goldberg, M.D., J.D., E. Victor Ross, M.D., Joseph T. Walsh, Jr., Ph.D.</p>	

<b>Optimizing Laser Parameters for Treatment of Cutaneous Vascular Lesions</b>	<b>Christine C. Dierickx, M.D., Director</b>
<b>Saturday, April 12</b>	<b>Pacific Ballroom C</b>
<b>8:00 a.m. - 10:00 a.m.</b>	
<p>The treatment of cutaneous vascular lesions has been an important part of the clinician's practice since the advent of lasers for medical use. Our ability to treat these vascular lesions has been advanced by improved understanding of laser-tissue interactions. However, a significant portion of these lesions are only partially responsive, while others are beyond the ability of the current laser systems. During this workshop we will review what we already know and, more importantly, what advances are needed for more effective treatment. With the help of experts in the field of laser technology and therapy, we will review basic laser parameters and their clinical application.</p>	
<p><b>Workshop Instructors:</b> R. Rox Anderson, M.D., Jeffrey S. Dover, M.D., Arielle N.B. Kauvar, M.D., Agneta Troilius, M.D., Ph.D., Milton Waner, M.D., Robert A. Weiss, M.D., Brian D. Zelickson, M.D.</p>	

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April 11, 2003

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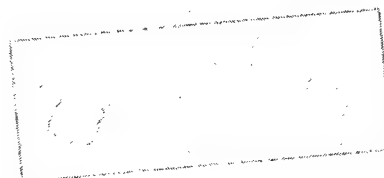
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# FRIDAY, APRIL 11, 2003

## FRIDAY OVERVIEW

**6:30 a.m. - 8:00 a.m.**

**Complimentary Continental Breakfast**

**8:00 a.m. - 10:00 a.m.**

**Collagen Remodeling and Non-Ablative Photorejuvenation Workshop**

Please refer to the Workshop Section in this program for additional information (PAGE 9). A separate registration fee must be paid in order to attend this workshop.

**8:00 a.m. - 10:00 a.m.**

**Optical Diagnostic Imaging Workshop**

Please refer to the Workshop Section in this program for additional information (PAGE 9). A separate registration fee must be paid in order to attend this workshop.

**10:30 a.m. - 11:45 a.m.**

**Plenary Session**

Welcome

Kenneth A. Arndt -- Leon Goldman Memorial Lectureship Award

Martin J.C. van Gemert -- Caroline and William Mark Memorial Award

Robert A. Weiss -- Ellet H. Drake Lectureship Award

**11:45 a.m. - 1:15 p.m.**

**Cash Lunch in Exhibit Hall**

**12:00 p.m. - 12:45 p.m.**

**Video Session**

**1:00 p.m. - 5:30 p.m.**

**Afternoon Breakout Sessions**

Basic Science: The Cutting Edge in Optical Diagnostics and Therapeutics of Tissues and Cells

Dermatology/Plastic Surgery

(Ablative and Non-Ablative Skin Rejuvenation Expert Panel)

Nursing/Allied Health (Business Meeting)

Photobiomodulation

Photodynamic Therapy/Oncology

Surgical Applications

**5:45 p.m. - 6:45 p.m.**

**Careers in Laser Medicine Session**

**U.S. Air Force Office of Scientific Research and Whitaker Foundation grant recipient posters will be available for viewing in the Exhibit Hall. Additional posters will be located in the California Promenade.**

**6:30 a.m. - 8:00 a.m.**

**Complimentary Continental Breakfast**

Located near the ASLMS registration desk.

**8:00 a.m. - 10:00 a.m.**

**Collagen Remodeling and Non-Ablative Photorejuvenation Workshop**

**PACIFIC BALLROOM C**

Please refer to the Workshop Section in this program for additional information (PAGE 9). A separate registration fee must be paid in order to attend this workshop.

**8:00 a.m. - 10:00 a.m.**

**Optical Diagnostic Imaging Workshop**

**PACIFIC BALLROOM B**

Please refer to the Workshop Section in this program for additional information (PAGE 9). A separate registration fee must be paid in order to attend this workshop.

## Plenary Session

**PACIFIC BALLROOM C**

**George J. Hruza, M.D., M.B.A., Program Chair**

**Suzanne L. Kilmer, M.D., President**

**A PRIZE DRAWING WILL TAKE PLACE DURING THE PLENARY SESSION. PLEASE BE SURE TO SIGN UP FOR THE DRAWING AS YOU ENTER THE PLENARY SESSION. YOU MUST BE PRESENT TO WIN.**

**10:30 a.m. - 10:35 a.m.**

**WELCOME**

George J. Hruza, M.D., M.B.A., Program Chairperson

Laser & Dermatologic Surgery Center, Town & Country, MO

Suzanne L. Kilmer, M.D., President

Laser & Skin Surgery Medical Group, Inc., Sacramento, CA

## LEON GOLDMAN MEMORIAL AWARD

Award presentation by Suzanne L. Kilmer, M.D., ASLMS President

**10:35 a.m. - 11:05 a.m.**

**Leon Goldman Memorial Award**

**A WORK IN PROGRESS**

Kenneth A. Arndt, M.D., SkinCare Physicians of Chestnut Hill, Chestnut Hill, MA

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# **FRIDAY, APRIL 11, 2003**

## **CAROLINE AND WILLIAM MARK MEMORIAL AWARD**

Award presentation by *William Owen, M.D., A. Ward Ford*  
Memorial Research Grant Committee

**11:05 a.m. - 11:25 a.m.**

### **Caroline and William Mark Memorial Award**

**GOOD MODELS ARE BEAUTIFUL - WHAT ABOUT  
PERFORMANCE AND LIMITATIONS?**

*Martin J.C. van Gemert, Ph.D., Laser Center, Academic Medical  
Center, Amsterdam, The Netherlands*

## **ELLET H. DRAKE LECTURESHIP AWARD**

Award presentation by *Suzanne L. Kilmer, M.D., ASLMS President*

**11:25 a.m. - 11:45 a.m.**

### **Ellet H. Drake Lectureship Award**

**LASERS AND LIGHT FOR ANTI-AGING: THE SINGLE VERSUS  
MULTIPLE WAVELENGTH CONUNDRUM**

*Robert A. Weiss, M.D., John Hopkins University School of  
Medicine, Hunt Valley, MD*

**11:45 a.m. - 1:15 p.m.**

**Cash Lunch in Exhibit Hall**

**12:00 p.m. - 12:45 p.m.**

**Video Session**  
**PACIFIC BALLROOM D**  
**Brian S. Biesman, M.D., Chair**

### **Educational Needs**

The video session is a new addition to the ASLMS meeting format and will represent a wide spectrum of laser applications.

### **Participants**

This session is designed for individuals from all medical specialties.

### **Background Requirements**

Participants should have a basic understanding of lasers.

### **Instructional Content and/or Expected Learning Outcomes**

The goal of this session is to demonstrate current techniques in laser therapy placing an emphasis on newer treatments, complex procedures, and advancements in established methods.

**12:00 p.m. - 12:05 p.m.**

### **WELCOME AND INTRODUCTION**

*Brian S. Biesman, Nashville, TN*

**12:05 p.m. - 12:10 p.m.**

### **RADIOFREQUENCY FACIAL REJUVENATION: TREATMENT PEARLS**

*Tina S. Alster, Washington Institute of Dermatologic Laser  
Surgery, Washington, DC*

**12:10 p.m. - 12:15 p.m.**

### **NON-ABLATIVE RADIOFREQUENCY SKIN TIGHTENING**

*David J. Goldberg, Skin Laser & Surgery Specialists of New  
York/New Jersey, Westwood, NJ*

**12:15 p.m. - 12:20 p.m.**

### **ABLATIVE SKIN RESURFACING: TREATMENT PEARLS**

*Tina S. Alster, Washington Institute of Dermatologic Laser  
Surgery, Washington, DC*

**12:20 p.m. - 12:25 p.m.**

### **ALA-PDT/IPL PHOTOREJUVENATION**

*Michael Gold, Gold Skin Care, Nashville, TN*

**12:25 p.m. - 12:30 p.m.**

### **COMBINED RF/IPL PHOTOREJUVENATION**

*Neil Sadick, Sadick Dermatology & Aesthetic Surgery, New York,  
NY*

**12:30 p.m. - 12:35 p.m.**

### **NON-ABLATIVE TREATMENTS WITH SUB-MILLISECOND 1064nm LASER**

*Bruce A. Russell, Beaverton, OR*

**12:35 p.m. - 12:40 p.m.**

### **PHOTOMODULATION FOR ANTIAGING**

*David H. McDaniel, Laser Skin & Vein Center of VA, Virginia  
Beach, VA*

**12:40 p.m. - 12:45 p.m.**

### **DERMAL REMODELING USING THE TRI-ACTIVE DEVICE**

*Peter S. Klainer, Sterling, VA*

**1:00 p.m. - 6:45 p.m.**

**Afternoon Breakout Sessions**

\*The author(s) acknowledge that proprietary disclosure is required for material presented in this abstract.

◆Content discusses non-FDA approved device or off-label use

\*\*Speaker

❖Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant A poster of this presentation will also be available.

→Recipient of ASLMS Travel Grant

# FRIDAY, APRIL 11, 2003

## Basic Science: The Cutting Edge in Optical Diagnostics and Therapeutics of Tissues and Cells

PACIFIC BALLROOM D

Joseph T. Walsh, Jr., Ph.D., Co-Chair

J. Stuart Nelson, M.D., Ph.D., Co-Chair

### Educational Needs

These sessions are directed towards promoting a better understanding of various laser-based diagnostic and therapeutic techniques, and interaction of laser light with tissues and cells.

### Participants

Scientists, engineers, medical practitioners as well as other health care professionals involved in biomedical applications of lasers are invited to attend.

### Background Requirements

Participants should have a basic understanding or experience of how lasers interact with tissues.

### Instructional Content and/or Expected Learning Outcomes

These sessions will provide attendees knowledge of important advances at the forefront in laser diagnostics and therapeutics and their potential applications in the clinical management of patients. Novel results are presented that will impact the development of new and more efficacious laser therapies and diagnostics. Investigators present the latest results from spectroscopy, optical coherence tomography, laser surgery, and properties of tissue.

### "Hot Topics"

- \*Making skin translucent: implications for laser therapies
- \*Gene based optical diagnostics
- \*Optical manipulation of cells and mechanisms of cellular injury

1:00 p.m. - 1:12 p.m.

1

### HEAT FLUX DYNAMICS DURING CRYOGEN SPRAY COOLING: IMPLICATIONS FOR PORTWINE STAIN LASER THERAPY

Guo-Xiang Wang, Guillermo Aguilar\*\*, J. Stuart Nelson, Beckman Laser Institute, University of California-Irvine, Irvine, CA, University of Akron, Akron, OH

1:12 p.m. - 1:15 p.m. - Discussion

1:15 p.m. - 1:27 p.m.

2

### CRYOGEN SPRAY COOLING: INFLUENCE OF DROPLET VELOCITY ON EPIDERMAL PROTECTION IN VIVO

Brian M. Pikkula❖, Tianhong Dai, David Chang, Bahman Anvari, Rice University, University of Texas/MD Anderson Cancer Center, Houston, TX

1:27 p.m. - 1:30 p.m. - Discussion

1:30 p.m. - 1:42 p.m.

3

### THERMAL RESPONSE OF HUMAN SKIN EPIDERMIS TO 595nm LASER IRRADIATION AND CRYOGEN SPRAY COOLING: AN IN VIVO STUDY

Tianhong Dai❖, Brian M. Pikkula, David W. Chang, Bahman Anvari, Rice University, University of Texas/M.D. Anderson Cancer Center, Houston, TX

1:42 p.m. - 1:45 p.m. - Discussion

1:45 p.m. - 1:57 p.m.

4

### REDUCTION OF SUPERFICIAL THERMAL INJURY USING CRYOGEN COOLING DURING LASER-ASSISTED CARTILAGE RESHAPING OF RABBIT EARS IN VIVO: PILOT STUDY

L.L. Chiu❖, B.J.F. Wong, J.C. Chang, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA, Chang Gung Memorial Hospital, Taipei, Taiwan

1:57 p.m. - 2:00 p.m. - Discussion

2:00 p.m. - 2:12 p.m.

5

### OPTICAL CLEARING AFFECTS COLLAGEN STRUCTURE REVERSIBLY

Alvin T. Yeh❖, Bernard Choi, J. Stuart Nelson, Bruce J. Tromberg, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA

2:12 p.m. - 2:15 p.m. - Discussion

2:15 p.m. - 2:27 p.m.

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### INFLUENCE OF OPTICAL SKIN CLEARING ON FLUORESCENCE EMISSION INTENSITY

Oliver Stumpp❖, A.J. Welch, University of Texas at Austin, Austin, TX

2:27 p.m. - 2:30 p.m. - Discussion

2:30 p.m. - 2:42 p.m.

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### ORGANOTYPIC RAFT CULTURES AS AN EFFECTIVE IN VITRO TOOL FOR UNDERSTANDING SPECTRAL ANALYSIS OF TISSUE

Amy Robichaux❖, Douglas Anderson, Anita Mahadevan-Jansen, Vanderbilt University, Nashville, TN

2:42 p.m. - 2:45 p.m. - Discussion

\*The author(s) acknowledge that proprietary disclosure is required for material presented in this abstract.

❖Content discusses non-FDA approved device or off-label use.

\*\*Speaker

❖Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant. A poster of this presentation will also be available.

→Recipient of ASLMS Travel Grant.

# FRIDAY, APRIL 11, 2003

2:45 p.m. - 2:57 p.m.

## IN VIVO DEPTH PROFILING OF EPIDERMAL MELANIN USING PHOTOACOUSTIC ANALYSIS

John A. Viator❖, Guillermo Aguilar, Lars O. Svaasand, J. Stuart Nelson, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA, Norwegian Institute of Technology, University of Trondheim, Trondheim, Norway

2:57 p.m. - 3:00 p.m. - Discussion

3:00 p.m. - 3:30 p.m. - BREAK / VISIT THE EXHIBITS

3:30 p.m. - 3:42 p.m.

## SURFACE ANALYSIS USING PHASE SENSITIVE OPTICAL LOW COHERENCE REFLECTOMETRY

Taner Akkin❖^, Digant P. Davé, H. Grady Rylander III, Thomas E. Milner, University of Texas at Austin, Austin, TX

3:42 p.m. - 3:45 p.m. - Discussion

3:45 p.m. - 3:57 p.m.

## DETECTION OF THE INITIAL STAGES OF COLORECTAL CARCINOGENESIS USING POLARIZATION LIGHT SCATTERING SPECTROSCOPY WITH MULTIVARIATE STATISTICAL ANALYSIS

Young L. Kim❖, Yang Liu, Ramesh K. Wali, Hemant K. Roy, Michael J. Goldberg, Alexei K. Kromine, Kun Chen, Vadim Backman,

Northwestern University, Evanston Hospital, Northwestern University Medical Center, Evanston, IL

3:57 p.m. - 4:00 p.m. - Discussion

4:00 p.m. - 4:12 p.m.

## IN VITRO OPTICAL COHERENCE TOMOGRAPHY OF CLEAR CORNEAL CATARACT INCISIONS

Bin Rao❖, Jun Zhang, Peter J. McDonnell, Mehran Taban, Zhongping Chen, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA

4:12 p.m. - 4:15 p.m. - Discussion

4:15 p.m. - 4:27 p.m.

## SPATIAL REFRACTIVE INDEX DETERMINATION OF SINGLE CELLS USING DIFFERENTIAL PHASE OPTICAL LOW COHERENCE REFLECTOMETRY

Chris Rylander❖+, Thomas E. Milner, Kenneth R. Diller, A.J. Welch, University of Texas at Austin, Austin, TX

4:27 p.m. - 4:30 p.m. - Discussion

4:30 p.m. - 4:42 p.m.

## CHARACTERIZATION OF BASAL CELL CARCINOMA BY MULTIMODE OPTICAL COHERENCE TOMOGRAPHY

John Strasswimmer❖, Mark C. Pierce, B. Hyle Park, Johannes F. deBoer, Wellman Laboratories, Massachusetts General Hospital, Boston, MA, Yale University Dermatology, New Haven, CT

4:42 p.m. - 4:45 p.m. - Discussion

4:45 p.m. - 4:57 p.m.

## TISSUE POLARIZATION IMAGING OF MULTIPLY-SCATTERED REFLECTED LIGHT

Paul J. Wu❖, Joseph T. Walsh, Jr., Northwestern University, Evanston, IL

4:57 p.m. - 5:00 p.m. - Discussion

5:00 p.m. - 5:12 p.m.

## ELECTROKINETIC MEASUREMENTS OF CARTILAGE USING DIFFERENTIAL PHASE OPTICAL COHERENCE TOMOGRAPHY

Jong-In Youn❖, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA

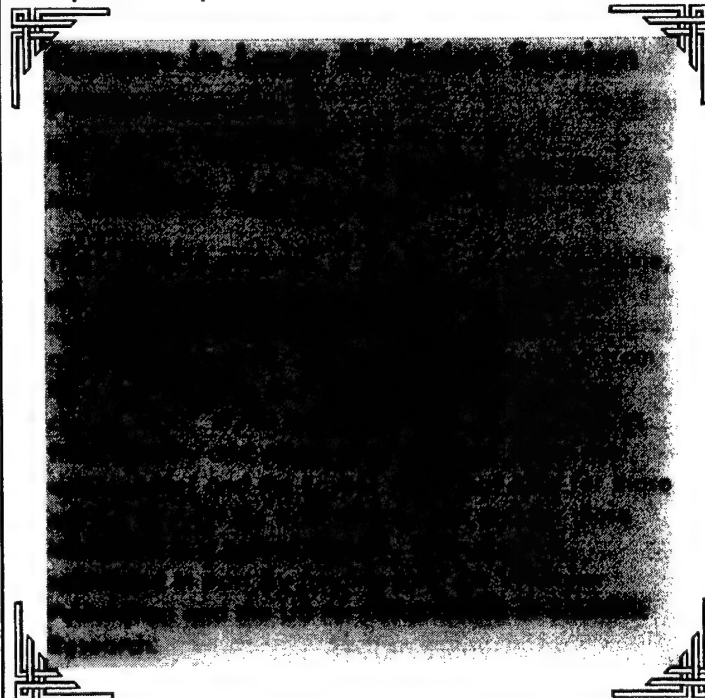
5:12 p.m. - 5:15 p.m. - Discussion

5:15 p.m. - 5:27 p.m.

## A LASER SPECKLE MICROSCOPIC SYSTEM FOR MONITORING THE DYNAMIC BLOOD PERFUSION

Dan Zhu❖, Qingming Luo, Ting Zhang, Haiying Cheng, Shaoqun Zeng, Sergey S. Ul'yanov, Huazhong University of Science and Technology, Wuhan, China, Saratov State University, Saratov, Russia

5:27 p.m. - 5:30 p.m. - Discussion



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→Recipient of ASLMS Travel Grant.

^ Best Basic Science Award Recipient.

+ Best Basic Science Student/Resident Award Recipient

# FRIDAY, APRIL 11, 2003

## Dermatology/Plastic Surgery

PACIFIC BALLROOM C

Arielle N.B. Kauvar, M.D., Co-Chair

Christopher B. Zachary, M.D., Co-Chair

### Educational Needs

These sessions focus on the use of lasers and light sources to treat cutaneous disorders. Participants will develop an understanding of present treatment indications, therapeutic techniques and innovative technology.

### Participants

This program will benefit physicians and health care personnel who treat cutaneous disorders in the disciplines of dermatology, plastic surgery, otolaryngology, oculoplastic surgery and vascular surgery.

### Background Requirements

Participants should have a basic understanding of the fundamentals of laser physics and laser tissue interaction.

### Instructional Content and/or Expected Learning Outcomes

Attendees will gain in depth knowledge of cutting edge laser and light source technology and their clinical applications in the following areas: non-ablative rejuvenation, ablative skin resurfacing, treatment of vascular lesions, treatment of pigmented lesions, hair removal, acne and psoriasis therapy and repigmentation techniques.

### "Hot Topics"

- \*Ablative and non-ablative skin rejuvenation for photodamage, scarring and acne
- \*Vascular lesions including telangiectasias, portwine stains and vascular malformations
- \*Hair removal
- \*Radiofrequency controlled rejuvenation

## ABLATIVE AND NON-ABLATIVE SKIN REJUVENATION

1:00 p.m. - 1:06 p.m.

53

### OBJECTIVE EVALUATION OF NON-ABLATIVE SUBSURFACE REMODELING WITH THE ALTUS COOL GLIDE VANTAGE EXCEL LASER♦

John Z.S. Chen, Macrene R. Alexiades-Armenakas, Leonard J. Bernstein, Laurie G. Jacobson, Roy G. Geronemus, Laser & Skin Surgery Center of New York, New York, NY

1:06 p.m. - 1:12 p.m.

54

### NON-ABLATIVE PHOTOREJUVENATION WITH A SCANNED COPPER BROMIDE LASER\*

Daniel A. Cassuto, Plastic Surgery, Milan, Italy

1:12 p.m. - 1:18 p.m.

55

### RANDOM CONTROL STUDY LOOKING AT THE USE OF 1320nm Nd:YAG LASER AND INTENSE PULSED LIGHT SOURCE FOR NON-ABLATIVE SKIN REJUVENATION IN CHINESE\*

H.H. Chan, W.S. Ho, N.T. Smith, University of Hong Kong, Prince of Wales Hospital, Queen Mary Hospital, Hong Kong

1:18 p.m. - 1:22 p.m.

56

### PERI ORBITAL RHYTIDS, NECK AND HANDS NON-ABLATIVE REMODELING WITH A 1540nm Er:GLASS LASER: CLINICAL, ULTRASOUND IMAGING, CUTOMETRY AND PROFILOMETRIC EVALUATION

Serge Dahan, Stéphane Diridollou, Jean Michel Lagarde, Katel Vie, Yvon Gall, Serge Mordon, Clinique Saint Jean du Languedoc, Center Jean Louis Alibert, Institut de Recherche Pierre Fabre, Toulouse, France, UPRES EA 2689, INSERM IFR 114, Lille, France

1:22 p.m. - 1:26 p.m.

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### NECK LINES REMODELING WITH 1540nm Er:GLASS LASER: CLINICAL, ULTRASOUND IMAGING AND PROFILOMETRIC EVALUATION

Serge Dahan, Stéphane Diridollou, Jean Michel Lagarde, Katel Vie, Yvon Gall, Serge Mordon, Clinique Saint Jean du Languedoc, Center Jean Louis Alibert, Institut de Recherche Pierre Fabre, Toulouse, France, UPRES EA 2689, INSERM IFR 114, Lille, France

1:26 p.m. - 1:32 p.m.

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### NON-ABLATIVE REMODELING: A 30 MONTHS PROFILOMETRIC EVALUATION OF A 1540nm Er:GLASS LASER

Nathalie Fournier, Jean Michel Lagarde, Serge Mordon, Centre Laser Dermatologie and Phlebologie, Clapiers, France, Centre Jean Louis Alibert, Institut de Recherche Pierre Fabre, Toulouse, France, UPRES EA 2689, INSERM IFR 114, Lille, France

1:32 p.m. - 1:36 p.m. - Discussion

1:36 p.m. - 1:42 p.m.

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### 30-MINUTE APPLICATION OF S-CAINE PEEL PRIOR TO NONABLATIVE LASER TECHNOLOGY\*

Paul M. Friedman, Seema N. Doshi, Denise K. Marquez, Leonard H. Goldberg, DermSurgery Laser Center, University of Texas Medical Center, Houston, TX

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# FRIDAY, APRIL 11, 2003

**1:42 p.m. - 1:48 p.m. 60**  
**IRRADIATION OF EXCISED EYELID SKIN WITH 532nm, 755nm, 810nm, AND 1064nm LASERS: IMPLICATIONS FOR PERIOCCULAR TREATMENT AND SAFETY**

*Shilesh Iyer, Kittisak Suthamjariya, Richard E. Fitzpatrick, Dermatology Associates and Cosmetic Laser Associates of San Diego County, Encinitas, CA*

**1:48 p.m. - 1:54 p.m. 61**  
**COMPARISON OF ABLATIVE AND NON-ABLATIVE LASER TREATMENTS OF PHOTODAMAGED SKIN USING OBJECTIVE MEASUREMENT TECHNIQUES**

*Roy Geronemus, Macrene Alexiades-Armenakas, Carol Feinberg, Stacy Hawkins, Daphne Liu, Ronni Weinkauf, Laser & Skin Surgery Center of New York, New York, NY, Unilever Research US, Edgewater, NJ*

**1:54 p.m. - 1:59 p.m. 62**  
**CLINICAL, HISTOLOGIC AND ULTRASTRUCTURAL CHANGES AFTER NON-ABLATIVE 595nm PULSED DYE LASER TREATMENT: ANALYSIS OF DIFFERENT TREATMENT PARAMETERS**

*David J. Goldberg, M. Dale Sarradet, Marsha Gordon, Skin Laser and Surgery Specialists of NY/NJ, Mount Sinai School of Medicine, New York, NY*

**1:59 p.m. - 2:04 p.m. 63**  
**NON-ABLATIVE FACIAL REMODELING: CLINICAL AND ULTRA-STRUCTURAL CHANGES AFTER TREATMENT WITH A NEW 300 usec, 1064nm Nd:YAG LASER\***

*Chrys D. Schmults, David J. Goldberg, Skin Laser and Surgery Specialists of NY/NJ, Mount Sinai School of Medicine, New York, NY*

**2:04 p.m. - 2:08 p.m. - Discussion**

**2:08 p.m. - 2:14 p.m. 64**  
**CO<sub>2</sub> LASER-RESURFACING AND UV-EXPOSURE: PHOTOCARCINOGENESIS, WOUNDS, SCARS AND PIGMENTARY CHANGES♦**

*Lene Hedelund, Merete Høedersdal, Henrik Egekvist, Michael Heidenheim, Hans Christian Wulf, Copenhagen University Hospital, Bispebjerg Hospital, Aarhus University Hospital, Aarhus, Denmark*

**2:14 p.m. - 2:20 p.m. 65**  
**A MULTI-CENTRE STUDY INTO THE SAFETY AND EFFICACY OF A 585nm FLASHLAMP PULSED DYE LASER FOR THE NON-ABLATIVE TREATMENT OF FACIAL RHYTIDES\***

*Brian Zelickson, Jeffrey Dover, Te-Shao Jeff Hsu, Eric Bernstein, A. Jay Burns, Charlotte Coles, George Hruza, Suzanne Kilmer, S. Van Laborde, Brigitte Stewart, Mei-Heng Tan, Minneapolis, MN, Chestnut Hill, MA, Marlton, NJ, Dallas, TX, St. Louis, MO, Sacramento, CA*

**2:20 p.m. - 2:26 p.m. 66**  
**INTRADERMAL FOCUSING OF NEAR-INFRARED OPTICAL PULSES: A NEW APPROACH FOR NON-ABLATIVE LASER THERAPY\***

*Misbah Huzaira, R. Rox Anderson, Kehl Sink, Dieter Manstein, Wellman Laboratories of Photomedicine, Harvard Medical School, Boston, MA, Reliant Technologies Inc., Palo Alto, CA*

**2:26 p.m. - 2:32 p.m. 67**  
**A PAIRED COMPARISON ANALYSIS OF THE COMBINATION OF SMOOTHBEAM (1450nm) & V-BEAM (595nm) LASERS vs THE V-BEAM LASER ALONE IN CUTANEOUS REJUVENATION**

*Bruce E. Katz, Columbia-Presbyterian Medical Center, New York, NY*

**2:32 p.m. - 2:38 p.m. 68**  
**TREATMENT OF RHYTIDS WITH SUBSURFACE-FOCUSED Er:YLF LASER\*♦**

*K. Khatri, D. Manstein, A. Erofeev, G. Altshuler, Skin and Laser Surgery Center, Cambridge, MA, Palomar Medical Technologies Inc., Burlington, MA, Massachusetts General Hospital, Harvard Medical School, Boston, MA*

**2:38 p.m. - 2:44 p.m. 69**  
**A NEW NON-ABLATIVE RADIOFREQUENCY DEVICE TO TIGHTEN TISSUE: A RANDOMIZED TRIAL COMPARING A SINGLE TREATMENT TO MULTIPLE TREATMENTS\***

*David J. Goldberg, James Koch, A. Jay Burns, Roy Geronemus, Skin Laser and Surgery Specialists of NY/NJ, Mount Sinai School of Medicine, New York, NY, Stanford University School of Medicine, Palo Alto, CA, Texas Southwestern Medical School, Dallas, TX, Laser & Skin Surgery Center of New York, New York University School of Medicine, New York, NY*

**2:44 p.m. - 2:54 p.m. - Late Breaking Abstract**

**2:54 p.m. - 3:00 p.m. - Discussion**

**3:00 p.m. - 3:30 p.m. - BREAK / VISIT THE EXHIBITS**

**3:30 p.m. - 3:36 p.m. 70**  
**LACK OF DIFFERENCE BETWEEN RATES OF LEUKODERMA AFTER SKIN RESURFACING WITH 90  $\mu$ s PULSED AND 900  $\mu$ s DWELL TIME CARBON DIOXIDE LASERS**

*Kevan G. Lewis, Adriana Schmidt, Walter K. Nahm, Ronald L. Moy, VA-West Los Angeles Medical Center, Los Angeles, CA*

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# FRIDAY, APRIL 11, 2003

3:36 p.m. - 3:42 p.m.

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## NON-ABLATIVE CUTANEOUS LASER RESURFACING USING A 1450nm DIODE LASER FOR TREATMENT OF MILD ATROPHIC SCARS AND INFLAMMATORY ACNE

Jason R. Lupton, Richard E. Fitzpatrick, Dermatology Associates of San Diego County, Encinitas, CA

3:42 p.m. - 3:46 p.m.

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## NON-ABLATIVE NON-THERMAL LED PHOTOMODULATION - A MULTICENTER CLINICAL PHOTOAGING TRIAL\*

D.H. McDaniel, J. Newman, R. Geronemus, R.A. Weiss, M.A. Weiss, Laser Skin & Vein Center of Virginia, Anti-Aging Research & Consulting, Virginia Beach, VA, Eastern Virginia Medical School, Norfolk, VA, Laser & Skin Surgery Center of New York, New York, NY, Maryland Laser Skin & Vein Institute, Hunt Valley, MD

3:46 p.m. - 3:50 p.m.

73

## NON-ABLATIVE LED PHOTOMODULATION - LIGHT ACTIVATED FIBROBLAST STIMULATION CLINICAL TRIAL\*

R. Geronemus, R.A. Weiss, M.A. Weiss, D.H. McDaniel, J. Newman, Laser & Skin Surgery Center of New York, New York, NY, Maryland Laser Skin & Vein Institute, Hunt Valley, MD, Laser Skin & Vein Center of Virginia, Anti-Aging Research & Consulting, Virginia Beach, VA, Eastern Virginia Medical School, Norfolk, VA

3:50 p.m. - 3:54 p.m.

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## COMPARISON OF NON-ABLATIVE FIBROBLAST PHOTOACTIVATION WITH AND WITHOUT APPLICATION OF TOPICAL COSMECEUTICAL AGENTS\*

R.A. Weiss, M.A. Weiss, D.H. McDaniel, J. Newman, R. Geronemus, Maryland Laser Skin & Vein Institute, Hunt Valley, MD, Laser Skin & Vein Center of Virginia, Anti-Aging Research & Consulting, Virginia Beach, VA, Eastern Virginia Medical School, Norfolk, VA, Laser & Skin Surgery Center of New York, New York, NY

3:54 p.m. - 4:00 p.m. - Late Breaking Abstract

4:00 p.m. - 4:05 p.m. - Discussion

4:05 p.m. - 4:11 p.m.

75

## TREATMENT OF SEBACEOUS HYPERPLASIA AND DERMAL NEVI WITH 1450nm DIODE LASER♦

David No, Vera Chotzen, Marla McClaren, Suzanne Kilmer, Laser & Skin Surgery Center of Northern California, Sacramento, CA

4:11 p.m. - 4:17 p.m.

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## ARTICPEEL: A NO DOWNTIME ABLATIVE LASER TREATMENT\*

Jason N. Pozner, University of Miami School of Medicine, Miami, FL

4:17 p.m. - 4:23 p.m.

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## RESULTS OF NON-ABLATIVE SKIN REJUVENATION WITH AN INTENSE PULSED LIGHT SOURCE: A MULTI-CENTER STUDY

Neil Sadick, Victor Prieto, Christopher Shea, Robert Weiss, Suzanne Kilmer, Patrick Bitter, Weill Medical College of Cornell University, New York, NY, University of Texas, Houston, TX, University of Chicago, Chicago, IL, Johns Hopkins University, Baltimore, MD, University of California at Davis, Davis, CA, Los Gatos, CA

4:23 p.m. - 4:29 p.m.

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## DERMAL RESPONSE TO A NOVEL NON-ABLATIVE SCANNED 1319nm LASER WITH CONTROLLED SKIN TEMPERATURE AND VARIABLE PULSE DURATION\*

R.A. Weiss, M.A. Weiss, K.L. Beasley, Maryland Laser Skin & Vein Institute, Baltimore, MD

4:29 p.m. - 4:35 p.m. - Late Breaking Abstract

4:35 p.m. - 4:49 p.m. - Discussion

4:50 p.m. - 5:30 p.m.

## Ablative and Non-Ablative Skin Rejuvenation Expert Panel

A. Jay Burns, M.D., Moderator  
Tina S. Alster, M.D.  
Peter Bjerring, M.D., Ph.D.  
Roy G. Geronemus, M.D.  
David J. Goldberg, M.D., F.D.  
Suzanne L. Kilmer, M.D.  
Christopher A. Zachary, M.D.  
Robert A. Weiss, M.D.

The popular Ablative and Non-Ablative Skin Rejuvenation Expert Panel will be held within the main Dermatology/Plastic Surgery session this year. It will follow the presentation of the Ablative and Non-Ablative papers. An effort has been made to assemble a panel with a broad experience which can comment expertly on any of the topics presented. A priority will be placed on the panelists providing clinical perspective on the papers presented. An equally important part of the panel will be an attempt to answer all and all questions from the audience pertaining to the topic of ablative and non-ablative skin rejuvenation.

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# FRIDAY, APRIL 11, 2003

## Nursing/Allied Health

AVILA AB

Susan L. Olson, R.N., Chair

### Educational Needs

The participant will understand applications of PDT using ALA for the treatment of actinic keratoses; the participant will review treatment of dermatologic disorder using excimer 308 and UVB light with wavelengths of 290-320nm; the participant will understand treatment using a new photoclearing system for inflammatory acne; the participant will review the data associated with IPL use for hair removal; and the participant will be able to describe the practical use of a silicone-based occlusive dressing for recovery after ablative laser treatment.

### Participants

This program enhances learning for nursing/allied health professionals.

### Background Requirements

Participants should have a basic understanding of lasers.

### Instructional Content and/or Expected Learning Outcomes

Attendees will be able to identify a new wavelength treatment in acne, identify a new ablative dressing technique, and explain the use of PDT for treatment in dermatology.

### "Hot Topics"

- \*PDT for treatment in dermatology
- \*New wavelength treatment in acne
- \*Update IPL hair removal
- \*New ablative dressing technique

1:00 p.m. - 1:15 p.m.

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### ALA-PDT IN DERMATOLOGY - PAST, PRESENT AND FUTURE\*

Michael H. Gold, Virginia Bradshaw Dinker\*\*, April N. Guider, Gold Skin Care Center, Nashville, TN

1:15 p.m. - 1:30 p.m.

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### NURSING COMPARISON IN USE OF 308nm EXCIMER LASER SYSTEM AND 290-320nm LIGHT SOURCE FOR PSORIASIS AND PIGMENTATION DISORDERS\*

Patti Owens, James Brazil, Olympic Dermatology and Laser Clinic, Olympia, WA

1:30 p.m. - 1:45 p.m.

134

### PHOTOCLEARING FOR ACNE VULGARIS - A NEW APPROACH IN THE MANAGEMENT OF MILD TO MODERATE INFLAMMATORY ACNE VULGARIS\*

Michael H. Gold, Tancy M. Bridges\*\*, Melissa A. Adair, Gold Skin Care Center, Nashville, TN

1:45 p.m. - 2:00 p.m.

135

### TARGETED NARROWBAND UVB PHOTOCLEARING UTILIZING A NEW FIBER-OPTIC LIGHT SOURCE FOR LIGHT-SENSITIVE DERMATOSES\*

Michael H. Gold, Tancy M. Bridges\*\*, Gold Skin Care Center, Nashville, TN

2:00 p.m. - 2:15 p.m.

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### COMBINATION THERAPIES FOR FACIAL REJUVENATION: SKIN CARE, LASERS, IPLS, AND SOFT-TISSUE PRODUCTS USED TOGETHER FOR OPTIMAL RESULTS\*

Michael H. Gold, Tammy L. Lewis\*\*, Tancy M. Bridges, Gold Skin Care Center, Nashville, TN

2:15 p.m. - 2:30 p.m.

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### INTENSE PULSED LIGHT THERAPY FOR HAIR REMOVAL - WHERE WE HAVE BEEN AND WHERE ARE WE NOW\*

Michael H. Gold, Sherri T. Street\*\*, Gold Skin Care Center, Nashville, TN

2:30 p.m. - 2:45 p.m.

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### EXPERIENCE USING A NOVEL SILICONE-BASED OCCLUSIVE DRESSING TO HASTEN HEALING AFTER LASER SKIN RESURFACING

Holly A. Bryan, Tina S. Alster, Washington Institute of Dermatologic Laser Surgery, Washington, DC

2:45 p.m. - 3:00 p.m. - Discussion

3:00 p.m. - 3:30 p.m. - BREAK / VISIT THE EXHIBITS

3:30 p.m. - 4:30 p.m.

## Nursing/Allied Health Division Business Meeting

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# FRIDAY, APRIL 11, 2003

## Photobiomodulation

LAGUNA AB

Juanita J. Anders, Ph.D., Chair

### Educational Needs

The purpose of this session is to present and discuss the latest findings in basic science (in vitro and in vivo experiments) and clinical investigations on the critical parameters, mechanism, and effectiveness of light as a therapy for wound healing and other clinical applications. Light and its biological effects and photomedicine in general have gained recognition as an area of innovative and novel research with significant clinical implications.

### Participants

Any scientist, engineer, medical practitioner, individual in industry, as well as other health care professional involved in biomedical applications of lasers are invited to participate in these sessions.

### Background Requirements

Participants should have an understanding of light interaction with biological tissues and basic and clinical research.

### Instructional Content and/or Expected Learning Outcomes

This session will provide the latest data on basic science and clinical application of low intensity light in a wide spectrum of applications. The participants will increase their knowledge in this area and hopefully be stimulated to formulate new ideas to identify the critical parameters needed for successful clinical application of light.

### "Hot Topics"

- \*Discussion of key issues that must be addressed to advance light therapy
- \*Light induced alterations in gene expression
- \*Light effects are temperature independent
- \*Role of the autonomic nervous system in laser acupuncture
- \*Light therapy for a number of clinical applications including: tendinitis, coronary heart disease, diabetic venous stasis ulcers, and cerebral infarcts

## BASIC SCIENCE

### INVITED LECTURE

1:00 p.m. - 1:30 p.m.

141

#### LASER (LIGHT) THERAPY: FUTURE RESEARCH DIRECTIONS

Ronald W. Waynant, Food and Drug Administration, Center for Devices and Radiological Health, Rockville, MD

1:30 p.m. - 1:40 p.m. - Q&A

1:40 p.m. - 1:55 p.m.

142

#### EXPERIENCE IN LASER TISSUE BIOSTIMULATION\*

Mohamed Helmy El Batanouny, Cairo University, Cairo, Egypt

1:55 p.m. - 2:00 p.m. - Q&A

2:00 p.m. - 2:15 p.m.

143

#### TEMPERATURE-CONTROLLED 830nm LLLT OF EXPERIMENTAL PRESSURE ULCERS

I. Stadler, J. Coleman, B. Haerum, R.J. Lanzafame, Rochester General Hospital, Laser Center, Rochester, NY

2:15 p.m. - 2:20 p.m. - Q&A

### INVITED LECTURE

2:20 p.m. - 2:35 p.m.

144

#### ALTERATION IN GENE EXPRESSION FOLLOWING SPINAL CORD INJURY AND PHOTO-BIOMODULATION

K.R. Byrnes<sup>†</sup>, R.W. Waynant, I.K. Ilev, B. Johnson, H. Pollard, M. Srivastava, O. Eidelman, W. Huang, J.J. Anders, Uniformed Services University, Bethesda, MD, Center for Devices and Radiological Health, Food and Drug Administration, Rockville, MD

2:35 p.m. - 2:40 p.m. - Q&A

2:40 p.m. - 2:55 p.m.

145

#### IRRADIATION BY NASA LED DEVICE INFLUENCES THE RHEOLOGICAL PROPERTIES RED BLOOD CELLS

I. Stadler, B. Haerum, J. Coleman, H.T. Whelan, R.J. Lanzafame, Laser Center, Rochester General Hospital, Rochester, NY, NASA Marshall Space Flight Center, AL

2:55 p.m. - 3:00 p.m. - Q&A

3:00 p.m. - 3:30 p.m. - BREAK / VISIT THE EXHIBITS

3:30 p.m. - 3:45 p.m.

146

#### LOW ENERGY LASER IRRADIATION PROMOTES CELLULAR REDOX ACTIVITY

Rachel Lubart, Ronit Lavie, Asher Shainberg, Bar Ilan University, Ramat-Gan, Israel

3:45 p.m. - 3:50 p.m. - Q&A

3:50 p.m. - 4:05 p.m.

147

#### EXTENDED BIOLOGICAL INFORMATION MODEL OF LASER BIOMODULATION

Timon Cheng-Yi Liu, Jian-Ling Jiao, Song-Hao Liu, South China Normal University, Guangzhou, China, The Key Laboratory of Biomedical Photonics of Ministry of Education of China, and State Key Laboratory of Laser Technology, Wuhan, China

4:05 p.m. - 4:10 p.m. - Q&A

\*The author(s) acknowledge that proprietary disclosure is required for material presented in this abstract.

♦Content discusses non-FDA approved device or off-label use.

\*\*Speaker

♣Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant. A poster of this presentation will also be available.

→Recipient of ASLMS Travel Grant.

# FRIDAY, APRIL 11, 2003

4:10 p.m. - 4:25 p.m.

148

## THE EFFECTS OF THE LASER ARSENIETO OF GALIO (AS-GA) ON DAMAGED MUSCLE CAUSED BY BOTHROPS MOOJENI SNAKE VENOM

D.M. Dourado†, M.A. Cruz-Höfling, I.B. UNICAMP, Campinas, SP, UNIDERP, Campo Grande, MS, Brasil

4:25 p.m. - 4:30 p.m. - Q&A

4:30 p.m. - 4:45 p.m.

149

## THE EFFECT OF LOW LEVEL LASER IRRADIATION (670nm and 810nm) FRACTURE HEALING IN RAT TIBIA

S.M.J. Mortazavi, A. Basirnia, Roodsari G. Sadeghipoor, A. Aledavood, B. Sharifi, Tehran University of Medical Sciences, JAHAD Medical Laser Center, Tehran, Iran

4:45 p.m. - 4:50 p.m. - Q&A

4:50 p.m. - 5:05 p.m.

150

## BIOLOGICAL INFORMATION MODEL OF LASER ACUPUNCTURE

Jian-Ling Jiao, Timon Cheng-Yi Liu, Xiao-Guang Liu, South China Normal University, Guangzhou, China, Huazhong University of Science and Technology, Wuhan, China

5:05 p.m. - 5:10 p.m. - Q&A

5:10 p.m. - 5:25 p.m.

151

## LED IRRADIATION PREVENTED THE AMYLOID BETA 25-35 INDUCED APOPTOSIS OF DIFFERENTIATED PC12 CELL IN VITRO

Rui Duan†, Timon Chengyi Liu, Lin Zhu, Libo Yao, South China Normal University, 4th Military Medical University, Guangzhou, China

5:25 p.m. - 5:30 p.m. - Q&A

## Photodynamic Therapy/Oncology

### HUNTINGTON ABC

Charles J. Gomer, Ph.D., Chair

### Educational Needs

The purpose of this session is to present and discuss the latest findings in a series of clinical and basic applications of photodynamic therapy (PDT). This field has recently increased in its breadth and creates novel areas for research and clinical interest. Results of trials demonstrating new clinical information as well as advances in basic research will be presented.

### Participants

The physicians and scientists for whom the session is designed include oncologists, general and oncologic surgeons, plastic

surgeons, dermatologists, microbiologists, photobiologists, physicists and individuals in industry. Physicians in training such as residents, fellows, medical students as well as other interested health care professionals and personnel are welcome.

### Background Requirements

Individuals who participate in this session should have a basic understanding of clinical research and applications of lasers of specific wavelengths. Some basic understanding of laser tissue interaction and photodynamic therapy is required.

### Instructional Content and/or Expected Learning Outcomes

The content of this session is aimed to provide the latest data on basic science and clinical applications of photodynamic therapy. The participants would be expected to increase their knowledge in this area and hopefully formulate new ideas for further development of PDT applications for clinical problems.

### "Hot Topics"

- \*PDT of actinic keratoses using ALA
- \*PDT of non-melanoma skin cancer
- \*Subcellular detection of singlet oxygen

1:00 p.m. - 1:20 p.m.

160

## EVALUATION OF 585nm PULSE DYE LASER ACTIVATED PHOTODYNAMIC THERAPY USING TOPICAL AMINO-LEVULINIC ACID HCL 20%\*

Douglas J. Key, Key Laser Institute for Aesthetic Medicine, Portland, OR

1:20 p.m. - 1:40 p.m.

161

## LASER-ASSISTED PHOTODYNAMIC THERAPY OF ACTINIC KERATOSES: LONG-TERM FOLLOW-UP♦

Macrene R. Alexiades-Armenakas, Leonard J. Bernstein, John Z.S. Chen, Laurie G. Jacobson, Roy G. Geronemus, Laser & Skin Surgery Center of New York, New York, NY

1:40 p.m. - 2:00 p.m.

162

## LASER-ASSISTED PHOTODYNAMIC THERAPY OF ACTINIC CHEILITIS♦

Macrene R. Alexiades-Armenakas, Leonard J. Bernstein, John Z.S. Chen, Laurie G. Jacobson, Roy G. Geronemus, Laser & Skin Surgery Center of New York, New York, NY

2:00 p.m. - 2:20 p.m.

163

## THE UTILIZATION OF ALA-PDT AND A NEW PHOTOCLEARING DEVICE FOR THE TREATMENT OF SEVERE INFLAMMATORY ACNE VULGARIS - RESULTS OF AN INITIAL CLINICAL TRIAL\*♦

Michael H. Gold, Gold Skin Care Center, Nashville, TN

\*The author(s) acknowledge that proprietary disclosure is required for material presented in this abstract.

♦Content discusses non-FDA approved device or off-label use.

\*\*Speaker

✧Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant A poster of this presentation will also be available

†Recipient of ASLMS Travel Grant.

+Best Photobiomodulation Student/Resident Award Recipient

# FRIDAY, APRIL 11, 2003

2:20 p.m. - 2:40 p.m.

164

## THE USE OF ALA-PDT IN THE TREATMENT OF RECALCITRANT MOLLUSCUM CONTAGIOSUM IN HIV/AIDS AFFECTED INDIVIDUALS\*♦

Michael H. Gold, Gold Skin Care Center, Nashville, TN

2:40 p.m. - 3:00 p.m.

165

## TREATMENT OF ACNE VULGARIS WITH LASER-ASSISTED PHOTODYNAMIC THERAPY♦

Macrene R. Alexiades-Armenakas, Leonard J. Bernstein, John Z.S. Chen, Laurie G. Jacobson, Roy G. Geronemus, Laser & Skin Surgery Center of New York, New York, NY

3:00 p.m. - 3:30 p.m. - BREAK / VISIT THE EXHIBITS

3:30 p.m. - 3:50 p.m.

166

## SHORT INCUBATION 5-ALA PDT FOR TREATMENT OF ACTINIC KERATOSES AND FACIAL PHOTODAMAGE\*♦

Dany Touma, Sara Whitehead, Nellie Konnikov, Tania Phillips, Mina Yaar, Barbara Gilchrest, Boston University School of Medicine, Boston, MA

3:50 p.m. - 4:10 p.m.

167

## TREATMENT OF ACTINIC KERATOSES WITH PDT AND CHEMICAL LIGHT PATCH\*

Brian Zelickson, Charlotte Coles, University of Minnesota, Abbott Northwestern Hospital, Minneapolis, MN

4:10 p.m. - 4:30 p.m.

168

## INTENSE PULSED LIGHT THERAPY FOR PHOTOREJUVENATION ENHANCED WITH 20% AMINOLEVULINIC ACID PHOTO-DYNAMIC THERAPY\*♦

Michael H. Gold, Gold Skin Care Center, Nashville, TN

### Surgical Applications

PACIFIC BALLROOM B

Bryan P. Shumaker, M.D., Co-Chair

H.P. Berlien, M.D., Co-Chair

### Educational Needs

This section will present and discuss topical surgical applications in cardiovascular surgery, general surgery, neurosurgery, urology, orthopaedics, and microvascular surgical applications. These combined disciplines will report relevant clinical and laboratory investigations in a diverse cross section of biomedicine. It is expected that interdisciplinary interaction and dialogue regarding laser tissue interaction, clinical and basic research results will

provide new insights and meet the educational need of participants attending these sessions.

### Participants

Any scientist, student, engineer, medical practitioner, personnel involved in other aspect of health care, and/or industry are invited to attend these sessions.

### Background Requirements

Individuals who participate in the sessions should have a basic interest in laser applications and ideally, would have some basic understanding of laser tissue interaction. Individual attendees do not necessarily need to have significant experience or expertise in laser medicine or surgery. An interest in clinical medicine and photobiology would be helpful.

### Instructional Content and/or Expected Learning Outcomes

These sessions will provide cutting-edge information on surgical applications in a diverse array of disciplines. Participants will sample a menu of scientific presentations and have the opportunity to discuss findings with the presenter, colleagues, and peers. Participants are expected to increase their knowledge regarding basic science and clinical applications of laser technologies. It is hoped that dialogue and didactic material will enable the participants to formulate new ideas and apply new techniques and principles to solve clinical and basic science problems.

### "Hot Topics"

\*Update on transmyocardial revascularization and cardiac perfusion

\*Interstitial laser therapy for treatment of cancer and benign conditions

\*Advances in management of disc disease and neurogenic pain syndrome

\*New developments in diode laser and associated technologies for vascular, microvascular and non-ablative applications

1:00 p.m. - 1:02 p.m.

Introduction - Bryan P. Shumaker, H.P. Berlien

1:02 p.m. - 1:12 p.m.

180

## OCT A-SCAN STUDY TO DETERMINE THE CONCENTRATION OF ELASTIN LAYERS IN PORCINE ARTERIES

JeeHyun Kim♦, Jung Hwan Oh, Mauro Ortiz, Marc D. Feldman, S. Thomsen, Thomas E. Milner, University of Texas at Austin, Austin, TX, University of Texas Health Science Center, San Antonio, TX

1:12 p.m. - 1:15 p.m. - Discussion

\*The author(s) acknowledge that proprietary disclosure is required for material presented in this abstract.

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\*\*Speaker

♦Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant. A poster of this presentation will also be available.

→Recipient of ASLMS Travel Grant.

# FRIDAY, APRIL 11, 2003

**1:15 p.m. - 1:27 p.m. 181**  
**EXPERIMENTAL AND COMPUTATIONAL STUDIES OF FIBER-OPTIC PROBES FOR IN-VIVO DIAGNOSTICS**

*Thanassis Papaioannou, Qiyin Fang, Norris Preyer, Michael Carnohan, Russel Ross, Adam Brightwell, Greg Cottone, Linda Jones, Laura Marcu, Cedars-Sinai Medical Center, University of Southern California, Los Angeles, CA, College of Charleston, Charleston, SC*

**1:27 p.m. - 1:30 p.m. - Discussion**

**1:30 p.m. - 1:42 p.m. 182**  
**COMPACT AND MOBILE TIME-RESOLVED FLUORESCENCE SPECTROSCOPY SYSTEM FOR CLINICAL INVESTIGATIONS**

*Qiyin Fang, Thanassis Papaioannou, Russel Vaita, Kumar Shastri, Javier Jo, Laura Marcu, Cedars-Sinai Medical Center, University of Southern California, Los Angeles, CA*

**1:42 p.m. - 1:45 p.m. - Discussion**

**1:45 p.m. - 1:57 p.m. 183**  
**LIVER METABOLIC CONDITIONS DURING TRANSPLANTATION: AUTOFLUORESCENCE SPECTROSCOPY MONITORING**

*AnnaCleta Croce, Sabrina Fiorani, Isabel Freitas, Roberta Bertone, MariaPia Vairetti, Andrea Ferrigno, Daniele Neri, IGM-CNR, University of Pavia, General Surgery Institute, University of Padoa, Italy*

**1:57 p.m. - 2:00 p.m. - Discussion**

**2:00 p.m. - 2:12 p.m. 184**  
**IDENTIFICATION OF CHONDROCYTE PROLIFERATION WITH THE FLUORESCENT ACTIVATING CELL SORTER FOLLOWING LASER IRRADIATION AND THERMAL AND MECHANICAL TREATMENTS**

*Nidhi Pandhoh†, Mai Thy Truong, Sergio Diaz, Kenneth Chao, Stephen Hou, David Gardiner, Brian J.F. Wong, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA*

**2:12 p.m. - 2:15 p.m. - Discussion**

**2:15 p.m. - 2:27 p.m. 185**  
**DIAGNOSIS OF HUMAN BRAIN TUMOR BY LIFETIME FLUORESCENCE SPECTROSCOPY**

*Laura Marcu, Pramod Butte, William H. Yong, Reid C. Thompson, Keith L. Black, Brian Pikul, Cedars-Sinai Medical Center, University of Southern California, Los Angeles, CA, Vanderbilt University, Nashville, TN*

**2:27 p.m. - 2:30 p.m. - Discussion**

**2:30 p.m. - 2:42 p.m. 186**  
**TIME-RESOLVED FLUORESCENCE SPECTROSCOPY MENINGIOMAS BRAIN TUMORS**

*P. Butte, B. Pikul, W. Yong, K. Black, L. Marcu, University of Southern California, Cedars-Sinai Medical Center, Maxine Dunitz Neurosurgical Institute, Los Angeles, CA*

**2:42 p.m. - 2:45 p.m. - Discussion**

**2:45 p.m. - 2:57 p.m. 187**  
**THE USE OF REFLECTANCE SPECTROSCOPY TO DIAGNOSE DISEASED CARTILAGE**

*Christiaan van Swol, Miranda Mulder, Michel Hooiveld, Rudolf Verdaasdonk, University Medical Center Utrecht, Utrecht, The Netherlands*

**2:57 p.m. - 3:00 p.m. - Discussion**

**3:00 p.m. - 3:15 p.m. - BREAK / VISIT THE EXHIBITS**

**3:15 p.m. - 3:27 p.m. 188**  
**INITIAL EXPERIENCE WITH HIGH TREATMENT VOLUME INTERSTITIAL LASER COAGULATION OF THE PROSTATE**

*Paul F. Zelkovic, Mark D. Stovsky, Case Western Reserve University, Cleveland, OH*

**3:27 p.m. - 3:30 p.m. - Discussion**

**3:30 p.m. - 3:42 p.m. 189**  
**A RANDOMIZED PROSPECTIVE STUDY COMPARING TURP, CONTACT LASER AND ELECTROVAPORIZATION OF THE PROSTATE IN MEN WITH BPH: ANALYSIS OF SUBJECTIVE MORBIDITY**

*Harm van Melick, Ger van Venrooij, Mardy Eckhardt, Christiaan van Swol, Tom Boon, University Medical Center Utrecht, Utrecht, The Netherlands*

**3:42 p.m. - 3:45 p.m. - Discussion**

**3:45 p.m. - 3:57 p.m. 190**  
**THE CLOSURE OF SAPHENA VEIN WITH ENDOVASAL TECHNIQUE\***

*Luigi Mazzi, GF Veraldi, Verona, Italy*

**3:57 p.m. - 4:00 p.m. - Discussion**

**4:00 p.m. - 4:12 p.m. 191**  
**ENDOVENOUS LASER USING CONTINUOUS MODE\***

*Robert J. Min, Weill Medical College of Cornell University, New York, NY*

**4:12 p.m. - 4:15 p.m. - Discussion**

\*The author(s) acknowledge that proprietary disclosure is required for material presented in this abstract.

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\*\*Speaker

❖Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant. A poster of this presentation will also be available.

→Recipient of ASLMS Travel Grant.

†Best Surgical Applications Student/Resident Award Recipient.

# **FRIDAY, APRIL 11, 2003**

4:15 p.m. - 4:27 p.m. 192

**ENDOVENOUS LASER TREATMENT: TWO YEAR FOLLOW-UP\***

Robert J. Min, Neil Khilnani, Weill Medical College of Cornell University, New York, NY

4:27 p.m. - 4:30 p.m. - Discussion

4:30 p.m. - 4:42 p.m. 193

**COMBINED ENDOVASCULAR LASER PLUS AMBULATORY PHLEBECTOMY FOR TREATMENT OF SAPHENOFEMORAL INCOMPETENCE AND ASSOCIATED TRUNCAL VARICOSITIES**

Neil Sadick, Weill Medical College of Cornell University, New York, NY

4:42 p.m. - 4:45 p.m. - Discussion

4:45 p.m. - 4:57 p.m. 194

**ENDOVENOUS LASER TREATMENT OF INCOMPETENT SHORT SAPHENOUS VEINS AND ANTERIOR-LATERAL TRIBUTARIES\***

Robert J. Min, Neil Khilnani, Weill Medical College of Cornell University, New York, NY

4:57 p.m. - 5:00 p.m. - Discussion

5:00 p.m. - 5:12 p.m. 195

**Nd:YAG LASER EQUIPMENT FOR ATRAUMATIC SURGERY IN ONCOLOGY**

S.V. Usov, V.I. Chissov, V.V. Sokolov, Tulamashzavod JSC, Tula, Russia, Science-Research Medical Institute, Moscow, Russia

5:12 p.m. - 5:15 p.m. - Discussion

5:15 p.m. - 5:27 p.m. 196

**REDUCTION OF SUPERFICIAL THERMAL INJURY USING CRYOGEN COOLING DURING LASER-ASSISTED CARTILAGE RESHAPING OF RABBIT EARS IN VIVO: PILOT STUDY**

L.L. Chiu, B.J.F. Wong, J.C. Chang, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA, Chang Gung Memorial Hospital, Taipei, Taiwan

5:27 p.m. - 5:30 p.m. - Discussion

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\*\*Speaker

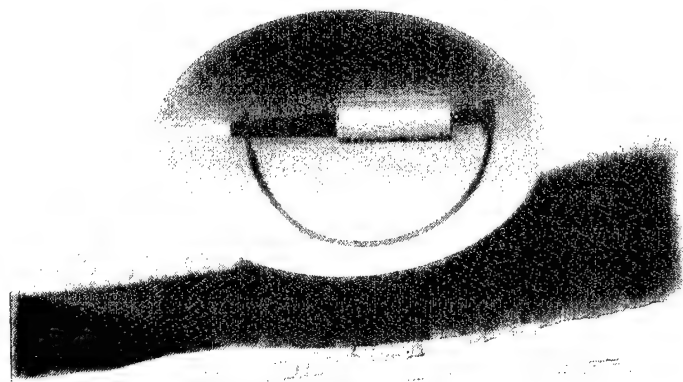
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# SATURDAY, APRIL 12, 2003

## SATURDAY OVERVIEW

6:30 a.m. - 8:00 a.m.

### Complimentary Continental Breakfast

8:00 a.m. - 10:00 a.m.

### Optimizing Laser Parameters for Treatment of Cutaneous Vascular Lesions Workshop

Please refer to the Workshop Section in this program for additional information (PAGE 9). A separate registration fee must be paid in order to attend this workshop.

10:30 a.m. - 11:25 a.m.

### Plenary Session

Presidential Citations (Best Awards & 2003 Research Grant)  
Donna C. Gabriel -- Nursing/Allied Health Excellence Award  
Roy G. Geronemus -- Plenary Lecture

11:25 a.m. - 12:00 p.m.

### ASLMS Business Meeting - Members Only

11:45 a.m. - 1:15 p.m.

### Cash Lunch in Exhibit Hall

1:15 p.m. - 5:00 p.m.

### Afternoon Breakout Sessions

Basic Science: The Cutting Edge in Optical Diagnostics and Therapeutics of Tissues and Cells  
Dentistry/O&M  
Dermatology/Plastic Surgery  
(Ablative and Non-Ablative Skin Rejuvenation Expert Panel)  
Photobiomodulation  
PDT/Oncology  
Surgical Applications

5:00 - 7:30 p.m.

### Exhibit Wine & Cheese Reception/Poster Session

U.S. Air Force Office of Scientific Research and Whitaker Foundation grant recipient posters will be available for viewing in the Exhibit Hall.

Additional posters will be located in the California Promenade. Posters will be manned from 5:00 p.m. - 7:00 p.m.

6:30 a.m. - 8:00 a.m.

### Complimentary Continental Breakfast

Located near the ASLMS registration desk.

8:00 a.m. - 10:00 a.m.

### Optimizing Laser Parameters for Treatment of Cutaneous Vascular Lesions Workshop

#### PACIFIC BALLROOM C

Please refer to the Workshop Section in this program for additional information (PAGE 9). A separate registration fee must be paid in order to attend this workshop.

### Plenary Session

#### PACIFIC BALLROOM C

George J. Hruza, M.D., M.B.A., Program Chair

A PRIZE DRAWING WILL TAKE PLACE DURING THE PLENARY SESSION. PLEASE BE SURE TO SIGN UP FOR THE DRAWING AS YOU ENTER THE PLENARY SESSION. YOU MUST BE PRESENT TO WIN.

10:30 a.m. - 10:40 a.m.

### Presidential Awards/Citations

Suzanne L. Kilmer, M.D., Laser & Skin Surgery Medical Group, Inc., Sacramento, CA

### Presidential Citations

Robert H. Ossoff, D.M.D., M.D.  
Richard E. Fitzpatrick, M.D.  
David J. Goldberg, M.D., J.D.  
Ronald G. Wheeland, M.D.  
R. Rox Anderson, M.D.

### \*\*\*Announcement of \$15,000 Research Grant Recipient\*\*\*

Best Awards (please refer to page 57 for a list of award recipients)

- \*Best Basic Science
- \*Best Clinical
- \*Best Student/Resident
- \*Best Poster

### NURSING/ALLIED HEALTH EXCELLENCE AWARD

Award presentation by Suzanne L. Kilmer, M.D., ASLMS President

10:40 a.m. - 10:55 a.m.

### Nursing/Allied Health Excellence Award

THE STRENGTH OF SPECIALTY NURSES - REFLECT, CELEBRATE, REDEDICATE

Donna C. Gabriel, L.P.N., Boston Dermatology & Laser Center, Boston, MA

# SATURDAY, APRIL 12, 2003

10:55 a.m. - 11:25 a.m.

ADVANCES IN THE TREATMENT OF CUTANEOUS DISORDERS WITH LASERS AND RELATED TECHNOLOGIES

Roy G. Geronemus, M.D., Laser & Skin Surgery Center of New York, New York, NY

11:25 a.m. - 12:00 p.m.

**ASLMS Business Meeting - Members Only**

**Attention Members:** A \$10.00 lunch voucher will be available to members who attend the ASLMS Business Meeting. Vouchers will be available at the door at the conclusion of the Business Meeting.

12:15 p.m. - 1:00 p.m.

## Video Session

PACIFIC BALLROOM D

Brian S. Biesman, M.D., Chair

12:15 p.m. - 12:20 p.m.

LASER SCAR REVISION

Tina S. Alster, Washington Institute of Dermatologic Laser Surgery, Washington, DC

12:20 p.m. - 12:25 p.m.

LASER AND LIGHT MEDIATED REPIGMENTATION OF SCARS AND STRETCHMARKS

Macrene Alexiades-Armenakas, Laser & Skin Surgery Center of New York, New York, NY

12:25 p.m. - 12:30 p.m.

LASER-ASSISTED PHOTODYNAMIC THERAPY

Macrene Alexiades-Armenakas, Laser & Skin Surgery Center of New York, New York, NY

12:30 p.m. - 12:35 p.m.

OPTIMIZING TREATMENT WITH THE PULSED DYE LASER

Thomas E. Rohrer, Skin Care Physicians of Chestnut Hill, Chestnut Hill, MA

12:35 p.m. - 12:40 p.m.

MAXIMUM RESPONSE WITH THE V-BEAM LASER IN THE TREATMENT OF FACIAL TELANGIECTASIA

Richard E. Fitzpatrick, Dermatology Associates of San Diego County, Encinitas, CA

12:40 p.m. - 12:45 p.m.

TREATMENT OF TRICHIASIS USING THE APOGEE T-20 DIODE LASER

Randal T. Pham, San Jose, CA

12:45 p.m. - 12:50 p.m.

ENDOVASCULAR LASER TREATMENT OF LEG VEINS

Neil Sadick, Sadick Dermatology & Aesthetic Surgery, New York, NY

12:50 p.m. - 12:55 p.m.

FORCED AIR COOLING FOR TATTOO TREATMENT

Alan Rosenbach, Los Angeles, CA

12:55 p.m. - 1:00 p.m.

FORCED COLD AIR IN LEG VEIN TREATMENT WITH AN 810nm DIODE LASER

E. Victor Ross, Naval Hospital San Diego, San Diego, CA

1:15 p.m. - 5:00 p.m.

**Afternoon Breakout Sessions**

## Basic Science: The Cutting Edge in Optical Diagnostics and Therapeutics of Tissues and Cells

PACIFIC BALLROOM D

Joseph T. Walsh, Jr., Ph.D., Co-Chair

J. Stuart Nelson, M.D., Ph.D., Co-Chair

1:15 p.m. - 1:27 p.m.

FEASIBILITY OF LASER SAFETY IN CLINICAL DAILY ROUTINE - INCREASING OF SAFETY BY DECREASING OF RULES

B. Fuchs, C. Philipp, H.-P. Berlien\*\*, Klinikum Neukölln, Berlin, Germany

1:27 p.m. - 1:30 p.m. - Discussion

1:30 p.m. - 1:42 p.m.

ARE LASERS MORE DANGEROUS THAN IPL INSTRUMENTS?

Lars Høde\*, Swedish Laser-Medical Society, Stockholm, Sweden

1:42 p.m. - 1:45 p.m. - Discussion

\*The author(s) acknowledge that proprietary disclosure is required for material presented in this abstract

◇Content discusses non-FDA approved device or off-label use

\*\*Speaker

◇Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant. A poster of this presentation will also be available.

→Recipient of ASLMS Travel Grant

# SATURDAY, APRIL 12, 2003

- 1:45 p.m. - 1:57 p.m.**  
**TRANSPUPILLARY THERMOTHERAPY SHORT DURATION LASER PULSES INDUCE HEAT SHOCK PROTEIN HYPEREXPRESSION ON CHOROIDO-RETINAL LAYERS**  
*Serge Mordon, Thomas Desmettre, Claude Alain Maurage, UPRES-EA2689 INSERM IFR 114m, Lille University Hospital, Lille - Centre d'Imagerie & Laser, Lambersart, France*  
**1:57 p.m. - 2:00 p.m. - Discussion**
- 2:00 p.m. - 2:12 p.m.**  
**THERMOVISCOELASTIC FINITE ELEMENT SIMULATION OF PORCINE SEPTAL CARTILAGE IN UNIAXIAL TENSION AND UNCONFINED COMPRESSION**  
*YongSeok Chae\*, Guillermo Aguilar, Dmitry E. Protsenko, Enrique J. Lavernia, Brian J.F. Wong, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA, University of California-Davis, Sacramento, CA*  
**2:12 p.m. - 2:15 p.m. - Discussion**
- 2:15 p.m. - 2:27 p.m.**  
**OPTICAL RESPONSE TO STRESS RELAXATION IN PORCINE SEPTAL CARTILAGE DURING DC ELECTROFORMING\***  
*Dmitry E. Protsenko\*, Brian J.F. Wong, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA*  
**2:27 p.m. - 2:30 p.m. - Discussion**
- 2:30 p.m. - 2:42 p.m.**  
**LASER THERMAL-BASED MANIPULATION OF CELLS AND PROBES**  
*Vladimir P. Zharov\*, Richard C. Kurten, Jay Bauman, Philips Classic Laser Biomedical Laboratory, University of Arkansas for Medical Sciences, Little Rock, AR, University of Chicago, Chicago, IL*  
**2:42 p.m. - 2:45 p.m. - Discussion**
- 2:45 p.m. - 2:57 p.m.**  
**IN SITU HYBRIDIZATION ANALYSIS OF TYPE I COLLAGEN GENE EXPRESSION AFTER Er:YAG LASER SKIN RESURFACING**  
*Matej Beltram\*, Brigita Drnovsek-Olup, University Eye Clinic, Medical Centre, Ljubljana, Slovenia*  
**2:57 p.m. - 3:00 p.m. - Discussion**
- 3:00 p.m. - 3:15 p.m. - BREAK**
- 3:15 p.m. - 3:27 p.m.**  
**IN VITRO STUDIES OF THE EFFECT OF 585nm PULSED-DYE LASER ON NORMAL HUMAN SKIN FIBROBLASTS AND TISSUE ENGINEERED DERMAL EQUIVALENTS**  
*Christian L. Baum\*, Christopher J. Arpey, Martine Dunnwald, University of Iowa College of Medicine, Iowa City, IA*  
**3:27 p.m. - 3:30 p.m. - Discussion**
- 3:30 p.m. - 3:42 p.m.**  
**A HISTOPATHOLOGIC EVALUATION OF THE GYRUS PLASMA SKIN RESURFACING SYSTEM VERSUS A STANDARD CARBON DIOXIDE RESURFACING LASER IN AN ANIMAL MODEL**  
*Richard Fitzpatrick, Eric Bernstein, Dermatology Associates of San Diego County, Inc., Encinitas, San Diego, CA, Charles River Associates, Philadelphia, PA*  
**3:42 p.m. - 3:45 p.m. - Discussion**
- 3:45 p.m. - 3:57 p.m.**  
**EFFECTS ON MARKERS OF APOPTOSIS AFTER INTENSE PULSED LIGHT TREATMENT OF PHOTODAMAGED SKIN**  
*David Kist\*, Brian Zelickson, University of Minnesota, Minneapolis, MN*  
**3:57 p.m. - 4:00 p.m. - Discussion**
- 4:00 p.m. - 4:12 p.m.**  
**MOLECULAR BASIS OF CONNECTIVE TISSUE REMODELING INDUCED BY CO<sub>2</sub> LASER RESURFACING**  
*Jeffrey Orringer, Gary Fisher, Sewon Kang, Timothy Johnson, John Voorhees, University of Michigan, Ann Arbor, MI*  
**4:12 p.m. - 4:15 p.m. - Discussion**
- 4:15 p.m. - 4:27 p.m.**  
**IMPORTANCE OF THE WAVE ASPECT OF ELECTRONS IN REGARD TO THE MITOCHONDRIAL ENERGY TRANSFER**  
*L. Wilden\*, R. Karthein, Private office, Bad Füssing, Germany, TÜV Rheinland/Berlin, Köln, Germany*  
**4:27 p.m. - 4:30 p.m. - Discussion**
- 4:30 p.m. - 4:42 p.m.**  
**HeNe LASER RADIATION IN SKELETAL MUSCLE INJECTED WITH Bothrops Jararacussu SNAKE VENOM**  
*R.D. Almeida-Silva\*, G.B. Leite, L.R. Rodrigues-Simioni, M.A. Cruz-Höfling, UNICAMP - Campinas, SP, Brazil*  
**4:42 p.m. - 4:45 p.m. - Discussion**
- 4:45 p.m. - 4:57 p.m.**  
**EFFECTS OF WOUND HEALING ON RATS USING PULSE CW LASER WITH 635nm**  
*Farouk A.H. Al-Watban, XY Zhang, Laser Research Section, Biological and Medical Research, King Faisal Specialist Hospital & Research Centre, Riyadh, Saudi Arabia*  
**4:57 p.m. - 5:00 p.m.**

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\*\*Speaker

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# SATURDAY, APRIL 12, 2003

## Dentistry/O&M

AVILA AB

Lewis Clayman, M.D., D.M.D., Co-Chair

Ulrich Schoop, D.M.D., M.D., Co Chair

### Educational Needs

This session will address lasers in general, cosmetic, endodontic, and periodontal dentistry as well as non-invasive diagnostics in oral surgery. Participants will have a better understanding of the possibilities and limitations of laser use in dentistry including the latest findings in periodontics and endodontics. Beyond that, the attendee will become familiar with photodetection principles and techniques in regard to oral mucosal diseases.

### Participants

This session is designed for clinicians, scientists and students interested in dental laser applications. The session will be geared to general and specialist dentists, head and neck/otolaryngology/oncology specialists, laser specialists and dental auxiliaries. In addition, physicians, researchers, students, dental nurses and industry representatives interested in exploring latest developments are invited.

### Background Requirements

Participants are not required to have any particular background in laser dentistry, laser medicine and/or surgery.

### Instructional Content and/or Expected Learning Outcomes

Participants will be able to identify valid current dental laser procedures, understand benefits, contraindications, limitations of laser methodology, and potential future modalities involving lasers. These sessions are expected to permit interaction between different areas of expertise, catalyzing the development of new ideas, and of innovative laser applications in this field.

### "Hot Topics"

- \*Lasers as a curing device for composite resins
- \*Laser endodontics
- \*Laser periodontics
- \*Lasers in oral surgery
- \*Non-invasive diagnostics

1:15 p.m. - 1:30 p.m.

### DEGREE OF CONVERSION AND CURING DEPTH OF COMPOSITE MATERIALS USING A CONVENTIONAL CURING LIGHT AND AN ARGON LASER

W. Kluger, U. Schoop, K. Goharkhay, A. Moritz, J. Wernisch, W. Sperr, University of Vienna, Dental School, Vienna, Austria

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1:30 p.m. - 1:45 p.m.

### GINGIVECTOMY: LASER OR HIGH-FREQUENCY ELECTROCAUTERY?\*

Petr Barták, Roman Šmucler, Charles University, ASKLEPION-Lasercentrum, Prague, Czech Republic

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1:45 p.m. - 2:00 p.m.

### BACTERICIDAL EFFECT OF AN Nd:YAG LASER IN PERIODONTAL POCKETS - AN IN VIVO STUDY

Norbert Gutknecht, Rene Franzen, Georg Conrads, Friedrich Lampert, University of Aachen, Aachen, Germany

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2:00 p.m. - 2:15 p.m.

### THE BACTERICIDAL EFFECT OF DIFFERENT LASER SYSTEMS IN THE DEEP LAYERS OF DENTIN

U. Schoop, W. Kluger, A. Moritz, W. Sperr, University of Vienna Dental School, Vienna, Austria

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2:15 p.m. - 2:30 p.m.

### FLUORESCENCE CHARACTERISTICS OF HEALTHY AND PATHOLOGICAL ROOT CANAL COMPONENTS\*

Petra Wilder-Smith, Srivatsa Rao, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA, Intelligent Optical Systems, Torrance, CA

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2:30 p.m. - 2:45 p.m.

### OPTICAL SENSOR FOR NON-INVASIVE PHOTODYNAMIC DETECTION OF ORAL CANCER

Goldwyn Jequinto†, Petra Wilder-Smith, Terry Shibuya, William Armstrong, Allan Wong, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA, UCI Cancer Center, Orange, CA, Intelligent Optical Systems, Torrance, CA

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2:45 p.m. - 3:00 p.m. - Q&A

3:00 p.m. - 3:15 p.m. - BREAK

3:15 p.m. - 3:30 p.m.

### THE EFFECTS OF GA.AL.AR DIODE LASER ON EXTRACTION WOUND HEALING

Ali Obeidi†, Mohammad Moshref, Iranian Hospital, Dubai, Beheshti Medical University, Tehran, Iran

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3:30 p.m. - 3:45 p.m.

### Nd:YAG LASER IRRADIATION FOLLOW SURGICAL EXPOSURE OF DEEPER CAVERNOUS HEMANGIOMAS IN THE HEAD AND NECK: A CONSECUTIVE REPORT OF 37 CASES

Zhang Zhiyuan, Zhou Guoyu, Zhu Hanguan, Shanghai Research Institute of Stomatology, Ninth People's Hospital Affiliated to Shanghai Second Medical University, Shanghai, China

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✧Recipient of ASLMS Travel Grant.

†Best Dentistry/O&M Student/Resident Award.

# SATURDAY, APRIL 12, 2003

3:45 p.m. - 4:00 p.m.

## MORPHOLOGICAL AND PHYSICAL CHANGES OF TOOTH SURFACES AFTER LASER-ASSISTED BLEACHING

K. Goharkhay, W. Kluger, U. Schoop, A. Moritz, University of Vienna, Dental School, Vienna, Austria

4:00 p.m. - 4:15 p.m. - Q&A

## Dermatology/Plastic Surgery

PACIFIC BALLROOM C

Arielle N.B. Kauvar, M.D., Co-Chair

Christopher B. Zachary, M.D., Co-Chair

## LASER AND LIGHT SOURCE TREATMENT OF VASCULAR LESIONS

1:15 p.m. - 1:21 p.m.

## PHOTOTHERMAL TOMOGRAPHY FOR PORTWINE STAIN BLOOD VESSEL PROFILING: EVALUATION OF CLINICAL MEASUREMENTS♦

Bernard Choi, Boris Majaron, Byungjo Jung, Kristen M. Kelly, Jun Zhang, Zhongping Chen, J. Stuart Nelson, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA, Jo'ef Stefan Institute, Ljubljana, Slovenia

1:21 p.m. - 1:27 p.m.

## DOES PULSE STACKING IMPROVE RESULTS OF TREATMENT WITH VARIABLE PULSE PULSED-DYE LASERS?

Vivek Iyengar, Vandana Chatrath, Thomas E. Rohrer, Skin Care Physicians, Chestnut Hill, MA, Boston University, Boston, MA

1:27 p.m. - 1:33 p.m.

## THE DEPTH MEASURING VIDEOMICROSCOPY: A NONINVASIVE TOOL FOR THE ASSESSMENT OF CAPILLARY VASCULAR MALFORMATIONS\*

Vivek Sivarajan→, Iain R. Mackay, Canniesburn Plastic Surgery Unit, Glasgow, United Kingdom

1:33 p.m. - 1:39 p.m.

## LONG PULSED DYE LASER TREATMENT FOR FACIAL TELANGIECTASIAS: EVALUATION OF SINGLE PURPURIC PASS VERSUS MULTIPLE SUBPURPURIC PASSES♦

Shilesh Iyer, Richard E. Fitzpatrick, Dermatology Associates and Cosmetic Laser Associates of San Diego County, Encinitas, CA

1:39 p.m. - 1:45 p.m.

## TREATMENT OF RESISTANT PORTWINE STAINS WITH THE V BEAM® PULSED DYE LASER\*

Simone Laube→, Saleem Tabjee, Sean Lanigan, Lasercare Centre, City Hospital, Birmingham, United Kingdom

1:45 p.m. - 1:49 p.m. - Discussion

1:49 p.m. - 1:55 p.m.

## LONG-PULSED DYE LASER TREATMENT OF FACIAL TELANGIECTASIAS WITH AND WITHOUT PURPURA - A COMPARISON STUDY

Jason R. Lupton, Kittisack Suthamjariya, Richard E. Fitzpatrick, Dermatology Associates of San Diego County, Encinitas, CA

1:55 p.m. - 2:01 p.m.

## SUCCESSFUL TREATMENT OF RESISTANT PORTWINE STAINS BY "LONG PULSED" DYE LASER\*

J.M. Mazer, V. Fayard, Paris, France

2:01 p.m. - 2:07 p.m.

## PULSED ALEXANDRITE LASER TREATMENT OF BULKY VASCULAR MALFORMATIONS♦

David No, Christine Dierickx, Marla McClaren, Vera Chotzen, Suzanne Kilmer, Laser and Skin Surgery Center of Northern California, Sacramento, CA, Skin and Laser Center, Boom, Belgium

2:07 p.m. - 2:13 p.m.

## USE OF A LONG-PULSE FLASHLAMP IN THE TREATMENT OF TELANGIECTASIA AND DYSPIGMENTATION\*

Brian C. Leach, Mary M. Spolyar, William H. Sturgill, E. Victor Ross, Naval Medical Center, San Diego, CA

2:13 p.m. - 2:19 p.m.

## USE OF A VARIABLE PULSE Nd:YAG LASER IN TREATMENT OF LEG TELANGIECTASIA\*

William F. Groff, Jennifer O'Neill, Eric C. Parlette, Yacov Domankevitz, E. Victor Ross, Naval Medical Center San Diego, San Diego, CA, Candela Corporation, Wayland, MA

2:19 p.m. - 2:23 p.m. - Discussion

2:23 p.m. - 2:29 p.m.

## MORE EFFECTS OF DOUBLE-PASS INTERVALS ON PURPURIC THRESHOLD AND DEPTH OF TISSUE INJURY IN EXTENDED PULSE DYE LASER (PHOTOGENICA V-STAR)

Emil A. Tanghetti, Center for Dermatology and Laser Surgery, Sacramento, CA

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→Recipient of ASLMS Travel Grant.

# SATURDAY, APRIL 12, 2003

- 2:29 p.m. - 2:35 p.m. 90**  
**LONG-PULSED Nd:YAG LASER TREATMENT FOR PORTWINE STAINS\***  
*Marjorie U. Yang†, Anna N. Yaroslavsky, William A. Farinelli, Sandy S. Tsao, R. Rox Anderson, Wellman Laboratories of Photomedicine, Massachusetts General Hospital, Harvard Medical School, Massachusetts General Hospital Dermatology Laser Center, Boston, MA*
- 2:35 p.m. - 2:41 p.m. 91**  
**QUANTITATIVE DIGITAL PHOTOGRAPHY FOR OBJECTIVE EVALUATION OF VASCULAR LESIONS**  
*Anna N. Yaroslavsky, Marjorie U. Yang, William A. Farinelli, R. Rox Anderson, Wellman Laboratories of Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA*
- 2:41 p.m. - 2:47 p.m. 92**  
**Nd:YAG and 940nm DIODE LASER FOR THE TREATMENT OF LEG VEIN TELANGIECTASES. A SIDE BY SIDE COMPARATIVE STUDY\***  
*Peter Kaudewitz, Julia Schatzle, Ludwig-Maximilians-University, Munich, Germany*
- 2:47 p.m. - 2:53 p.m. 93**  
**LONG PULSED Nd:YAG 1064nm LASER AND SCLEROTHERAPY IN LEG VEIN TREATMENT: A COMPARISON STUDY**  
*Jean Luc Levy, Chantal Elbhar, Centre Laser Dermatologique, Marseille, France*
- 2:53 p.m. - 3:00 p.m. - Discussion**
- 3:00 p.m. - 3:15 p.m. - BREAK**
- 3:15 p.m. - 3:21 p.m. 94**  
**COMPARISON OF 1064nm AND 1320nm LASER SYSTEMS FOR THE NON-ABLATIVE TREATMENT OF ACNE SCARS\*♦**  
*Dina Yaghmai, Jerome M. Garden, Abnoel D. Bakus, Mary C. Massa, Northwestern University, Rush Medical School, Chicago, IL*
- 3:21 p.m. - 3:27 p.m. 95**  
**EXTENDED PULSE FORMAT DYE LASER AND ITS EFFECTS ON THERAPEUTIC EFFICACY**  
*Emil A. Tanghetti, Center for Dermatology and Laser Surgery, Sacramento, CA*
- 3:27 p.m. - 3:33 p.m. 96**  
**LASER TREATMENT OF FACIAL ACNE WITH A 1450nm DIODE LASER\***  
*Nathan S. Uebelhoefer†, Mark A. Blair, Dilip Paithankar, E. Victor Ross, Naval Medical Center San Diego, San Diego, CA, Candela Corporation, Wayland, MA*
- 3:33 p.m. - 3:39 p.m. 97**  
**COMPARISON OF 1450nm DIODE LASER AND 595nm PULSED-DYE LASER FOR TREATMENT OF FACIAL ACNE: A LEFT-RIGHT RANDOMIZED TRIAL OF EFFICACY AND ADVERSE EFFECTS**  
*Murad Alam, S. Ray Peterson, Sirunya Silapunt, Komal Chopra, Paul M. Friedman, Leonard H. Goldberg, Northwestern University, Chicago, IL, DermSurgery Associates, University of Texas/MD Anderson Cancer Center, Houston, TX*
- 3:39 p.m. - 3:43 p.m. - Discussion**
- 3:43 p.m. - 3:49 p.m. 98**  
**THE USE OF 1320nm Nd:YAG LASER FOR THE TREATMENT OF ACNE SCAR IN ASIANS\***  
*H.H. Chan, L.K. Lam, D.S. Wong, N. Trendal-Smith, University of Hong Kong, Queen Mary Hospital, Hong Kong*
- 3:49 p.m. - 3:55 p.m. 99**  
**A CONTROLLED TRIAL TO ASSESS THE EFFECTIVENESS OF A PULSED DYE LASER IN THE TREATMENT OF INFLAMMATORY ACNE VULGARIS\*♦**  
*E.D. Seaton, E. Charakida, P.E. Mouser, R.M. Clement, A. Chu, Hammersmith Hospital Campus, Imperial College, London, England, School of Engineering, University of Wales, Swansea, Wales*
- 3:55 p.m. - 4:01 p.m. 100**  
**405-420nm CONTINUOUS HIGH INTENSITY LIGHT FOR SUCCESSFUL ACNE TREATMENT\***  
*Luigi Mazzi, S. Mirizzi, Verona, Parma, Italy*
- 4:01 p.m. - 4:07 p.m. 101**  
**NON-ABLATIVE RADIOFREQUENCY IN THE TREATMENT OF SEVERE ACTIVE ACNE VULGARIS\*♦**  
*Javier Ruiz-Esparza, Julio Barba-Gomez, University of California, San Diego, San Diego, CA, Instituto Dermatologico de Jalisco, Mexico*
- 4:07 p.m. - 4:13 p.m. 102**  
**BLINDED COMPARISON OF TWO INTENSE PULSED LIGHT SYSTEMS FOR HAIR REMOVAL: CLINICAL EFFICACY AND COMPLICATION RATE\***  
*Chrys D. Schmuts, David J. Goldberg, Skin Laser and Surgery Specialists of NY/NJ, Mount Sinai School of Medicine, New York, NY*
- 4:13 p.m. - 4:19 p.m. - Discussion**

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\*\*Speaker

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†Recipient of ASLMS Travel Grant.

+ Best Dermatology/Plastic Surgery Student/Resident Award Recipient.

# SATURDAY, APRIL 12, 2003

4:20 p.m. - 5:00 p.m.

## Laser and Light Source Treatment of Vascular Lesions Expert Panel

Robert A. Weiss, M.D., Moderator  
Eric F. Bernstein, M.D.  
Jeffrey S. Dover, M.D.  
Neil S. Sadick, M.D.  
Brian D. Zelickson, M.D.

This panel of experts will discuss the significance of the new abstracts presented on laser treatment of leg vessels related to their own clinical experience. Topics addressed will be wavelengths, pulse durations, treatment techniques and minimizing complications. The discussion format is relatively informal with questions from the audience welcomed after the discussion of abstracts.

## Photobiomodulation

LAGUNA AB

Juanita J. Anders, Ph.D. - Chair

## CLINICAL APPLICATIONS

### INVITED LECTURE

1:15 p.m. - 1:35 p.m.

#### LLLT: A NEW TREATMENT ALTERNATIVE EFFECTIVE FOR ACUTE EXERCISE-RELATED TENDINITIS

Jackson Streater, Acculase, San Diego, CA

1:35 p.m. - 1:40 p.m. - Q&A

1:40 p.m. - 1:55 p.m.

#### LOW LEVEL LASER THERAPY IN MUSCULOSKELETAL PAIN SYNDROMES: PAIN RELIEF AND DISABILITY REDUCTION♦

G. Djavid Esmaeeli, S.M.J. Mortazavi, A. Basirnia, Roodsari G. Sadeghipoor, P. Jamili, N. Sheikhabahae, A. Kaviani, JAHAD Medical Laser Center, Tehran, Iran

1:55 p.m. - 2:00 p.m. - Q&A

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2:00 p.m. - 2:15 p.m.

#### PRELIMINARY REPORT ON EFFICIENCY OF NASA LED PHOTO RADIATION OF PATIENT WITH DIABETIC VENOUS STASIS ULCERS

R.J. Lanzafame, I. Stadler, B. Haerum, J. Coleman, J. Rhodes, H. Whelan, Laser Center, Rochester General Hospital, University of Rochester, Rochester, NY, Medical College of Wisconsin, Milwaukee, WI, NASA-Marshall Space Flight Center, AL

2:15 p.m. - 2:20 p.m. - Q&A

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2:20 p.m. - 2:35 p.m.

#### LOW-LEVEL LASER-ASSISTED LIPOSUCTION

Neil Sadick, Kimberly Butterwick, Edward Lack, Weill Medical College of Cornell University, NY, New York, San Diego, CA, Chicago, IL

2:35 p.m. - 2:40 p.m. - Q&A

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2:40 p.m. - 2:55 p.m.

#### SPECT STUDY OF LOW POWER LASER INTRAVASCULAR IRRADIATION THERAPY FOR BRAIN INFARCTION

Xue-Chang Xiao, Jia-Zheng Dong, Xiao-Fan Chu, Shao-Wei Jia, Timon Cheng-Yi Liu, Jian-Ling Jiao, Xi-Yuan Zheng, Ci-Xiong Zhou, Shenzhen People's Hospital, Shenzhen, China, South China Normal University, Guangzhou, China, Huazhong University of Science and Technology, Wuhan, China

2:55 p.m. - 3:00 p.m. - Q&A

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## Photodynamic Therapy/Oncology

HUNTINGTON ABC

Charles J. Gomer, Ph.D. - Chair

1:15 p.m. - 1:35 p.m.

#### PHOTODYNAMIC THERAPY FOR NON-MELANOMA SKIN CANCER

Ellen S. Marmur, Chrys D. Schmuts\*\*, David J. Goldberg, Skin Laser and Surgery Specialists of NY/NJ, Mount Sinai and Cornell University Schools of Medicine, New York, NY

169

1:35 p.m. - 1:55 p.m.

#### THE KINETICS OF ALA-INDUCED FLUORESCENCE OF HUMAN SKIN TUMORS IN VIVO♦

Wolfgang Bäuml, Günther Ackermann, Rolf-Markus Szeimies, Christoph Abels, University of Regensburg, Regensburg, Germany

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\*\*Speaker

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→Recipient of ASLMS Travel Grant.

# SATURDAY, APRIL 12, 2003

1:55 p.m. - 2:15 p.m.

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## TOPICAL APPLICATION OF PHOTOFRIN® FOR PHOTO-DYNAMIC DIAGNOSIS OF ORAL NEOPLASMS

Cheng-Jen Chang, Pei-Shu Hwang, Muh-Shi Lin, Petra Wilder-Smith, Chang Gung Memorial Hospital, Taipei, Taiwan, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA

2:15 p.m. - 2:35 p.m.

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## PHOTODYNAMIC THERAPY WITH HYPERICIN USING PULSED DYE LASERS\*

Peyman Benharash, Michael Bublik, Tiffany Day, Janice Lee, Romaine Saxton, UCLA, UCLA Harbor General Hospital, Los Angeles, CA, George Washington University School of Medicine, Washington, DC

2:35 p.m. - 2:55 p.m.

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## THE DETECTION OF SINGLET OXYGEN IN VITRO AT DIFFERENT SUBCELLULAR LOCALIZATIONS

Wolfgang Bäuml, Kathrin Scherer, Max Maier, Christoph Abels, Roland Engl, University of Regensburg, Regensburg, Germany

3:00 p.m. - 3:15 p.m. - BREAK

3:15 p.m. - 3:35 p.m.

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## SINGLET OXYGEN LUMINESCENCE AND MONTE CARLO SIMULATIONS IN AQUEOUS SUSPENSIONS OF PHOSPHATIDYLCHOLINE

Wolfgang Bäuml, Robert Kilger, Roland Engl, Kathrin Scherer, Max Maier, University of Regensburg, Regensburg, Germany

3:35 p.m. - 3:55 p.m.

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## EFFECTS OF PROTEIN BINDING ON PROTOPORPHYRIN IX

Harry Moseley, Lorenzo Brancalion, The Photobiology Unit and Scottish PDT Centre, University of Dundee, Scotland

3:55 p.m. - 4:15 p.m.

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## PILOT TRIAL ON PHOTODYNAMIC THERAPY USING PORPHRINE AGENT AND 413nm KRYPTON LASER IN CHINESE PORTWINE STAINS PATIENTS

Zhou Guo-Yu, Zhang Zhi-Yuan, Qiu Wei-Liu, Lab of Laser Surgery Shanghai Research Institute of Stomatology, Ninth People's Hospital Affiliated to Shanghai Second Medical University, Shanghai, China

## Surgical Applications

### PACIFIC BALLROOM B

Bryan P. Shumaker, M.D., Co-Chair

H.P. Berlien, M.D., Co-Chair

1:15 p.m. - 1:27 p.m.

197

## MONITORING WOUND HEALING PROCESS IN SKIN MODEL USING OCT♦

Woong Gyu Jung, Bunsho Kao, Kristen M. Kelly, J. Stuart Nelson, Zhongping Chen, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA

1:27 p.m. - 1:30 p.m. - Discussion

1:30 p.m. - 1:42 p.m.

198

## ANALYSIS OF THE PHASE RETARDATION IN THE RETINAL NERVE FIBER LAYER OF CYNOMOLUS MONKEY BY POLARIZATION SENSITIVE OPTICAL COHERENCE TOMOGRAPHY

Jesung Park†, Nate J. Kemp, Thomas E. Milner, H. Grady Rylander III, University of Texas at Austin, Austin, TX

1:42 p.m. - 1:45 p.m. - Discussion

1:45 p.m. - 1:57 p.m.

200

## FIRST LABORATORY RESULTS WITH A NANOSECOND-PULSED FREQUENCY-TRIPLED Nd:YAG LASER FOR EAR SURGERY

Justus Ilgner, Martin Wehner, Johann Lorenzen, Martin Westhofen, Aachen University Hospital, Fraunhofer Institute for Laser Technology, Aachen, Germany

1:57 p.m. - 2:00 p.m. - Discussion

2:00 p.m. - 2:12 p.m.

201

## ELECTROKINETIC MEASUREMENTS OF CARTILAGE MEASUREMENTS OF CARTILAGE USING DIFFERENTIAL PHASE OPTICAL COHERENCE TOMOGRAPHY

Jong-In Youn, Taner Akkin, Brian J.F. Wong, George M. Peavy, Thomas E. Milner, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA, University of Texas at Austin, Austin, TX

2:12 p.m. - 2:15 p.m. - Discussion

2:15 p.m. - 2:27 p.m.

202

## IN VITRO CHARACTERIZATION OF THREE Ho:YAG LASER SYSTEMS♦

Warren Grundfest, John McIntyre, Gerry Arthur, Barrie Schwartz, University of California-Los Angeles, Cardiogenesis Corporation, Los Angeles, CA

2:27 p.m. - 2:30 p.m. - Discussion

\*The author(s) acknowledge that proprietary disclosure is required for material presented in this abstract.

♦Content discusses non-FDA approved device or off-label use.

\*\*Speaker

♣Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant. A poster of this presentation will also be available.

†Recipient of ASLMS Travel Grant.

# SATURDAY, APRIL 12, 2003

2:30 p.m. - 2:42 p.m.

203

## EFFICACY OF PERCUTANEOUS Ho:YAG LASER ABLATION OF THORACOLUMBAR DISKS IN DOGS

Kenneth E. Bartels, College of Veterinary Medicine, Oklahoma State University, Stillwater, OK

2:42 p.m. - 2:45 p.m. - Discussion

2:45 p.m. - 2:57 p.m.

204

## PHOTODYNAMIC DIAGNOSIS OF PRIMARY TUMORS AND METASTASES IN MOUSE MAMMARY CARCINOMA

Heinrich Walt, Ann M. Dorward, Wesley G. Beamer, University Hospital, Zurich, Switzerland, The Jackson Laboratory, Bar Harbor, ME

2:57 p.m. - 3:00 p.m. - Discussion

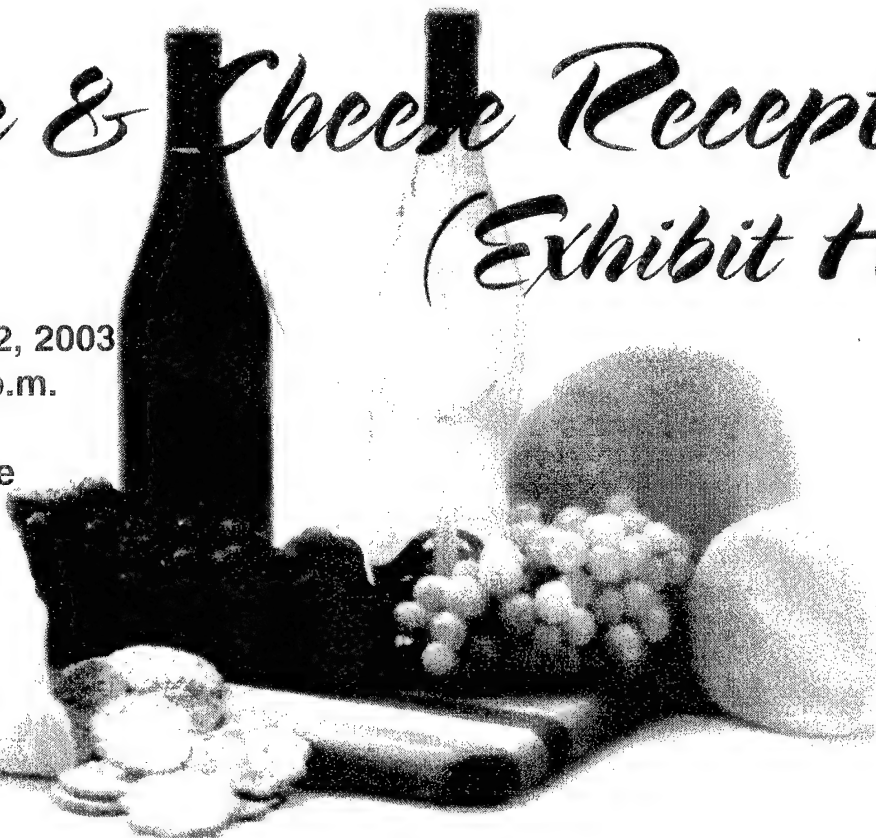
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# *Wine & Cheese Reception (Exhibit Hall)*

Saturday, April 12, 2003

5:00 p.m. - 7:30 p.m.

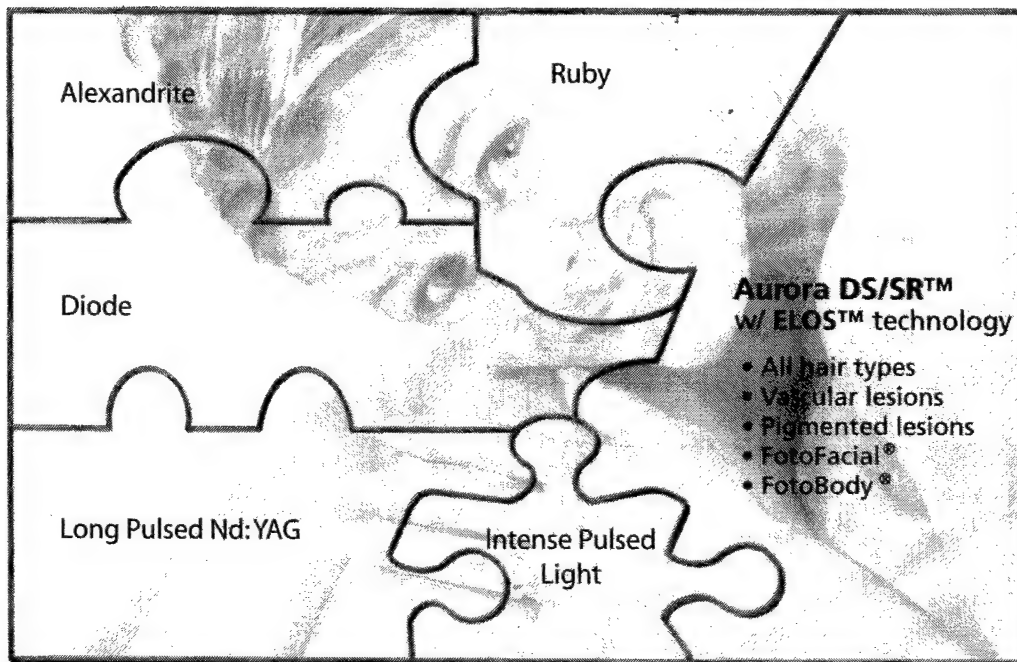
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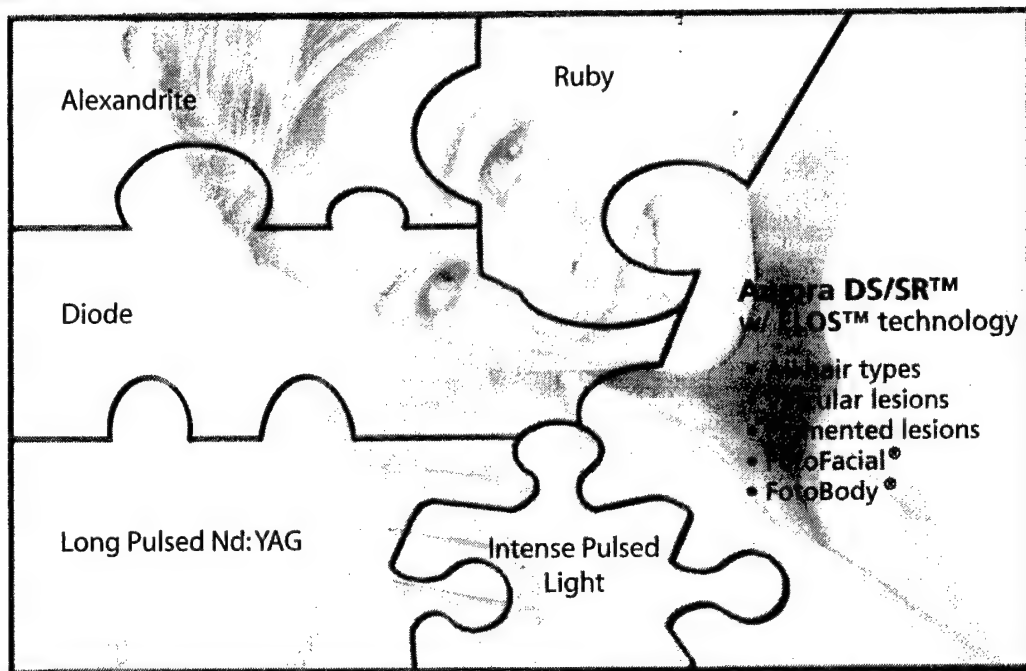
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# SUNDAY, APRIL 13, 2003

## 9:00 a.m. - 9:12 a.m. 35 COLLAGEN AUTOFLUORESCENCE OF THE HUMAN CERVIX AND MENOPAUSAL STATUS

Erin M. Gill❖, Anais Malpica, Rebecca Richards-Kortum, Michele Follen, Nirmala Ramanujam, University of Wisconsin, Madison WI, M.D. Anderson Cancer Center, University Texas Health Science Center, Houston TX, University of Texas at Austin, Austin TX

9:12 a.m. - 9:15 a.m. - Discussion

## 9:15 a.m. - 9:27 a.m. 36 FEASIBILITY STUDY OF Er:YAG LITHOTRIPSY

Ho Lee❖, Robert T. Ryan, Amy Lee, J.H. Teichman, A.J. Welch, University of Texas at Austin, Austin, TX, University of Texas Health Science Center, San Antonio, TX

9:27 a.m. - 9:30 a.m. - Discussion

## 9:30 a.m. - 9:42 a.m. 37 FINITE ELEMENT MODEL OF AN RF TISSUE HEATING SYSTEM\*

Linda Pham, Karl Pope, Thermage Inc., Hayward, CA

9:42 a.m. - 9:45 a.m. - Discussion

## 9:45 a.m. - 9:57 a.m. 38 LIMITATIONS OF QUANTIFYING OPTICAL PROPERTIES OF WATER AND TISSUE USING SHOCK VELOCITY MEASUREMENTS

R.K. Shori❖, J.T. Walsh, Jr., UCLA, Los Angeles, CA, Northwestern University, Evanston, IL

9:57 a.m. - 10:00 a.m. - Discussion

## 10:00 a.m. - 10:12 a.m. 39 OBJECTIVE ASSESSMENT OF PORTWINE STAIN USING DIGITAL IMAGING SYSTEM AND COLOR ANALYSIS METHOD\*♦

Byungjo Jung❖, Bernard Choi, Anthony J. Durkin, Kristen M. Kelly, J. Stuart Nelson, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA

10:12 a.m. - 10:15 a.m. - Discussion

## 10:15 a.m. - 10:27 a.m. 41 CHARACTERIZATION OF INCREASED MUCOSAL BLOOD FLOW AS AN EARLY MARKER OF COLON CARCINOGENESIS USING POLARIZATION LIGHT SCATTERING SPECTROSCOPY

Yang Liu❖, Young L. Kim, Ramesh K. Wali, Hemant K. Roy, Michael J. Goldberg, Alexei K. Kromine, Kun Chen, Vadim Backman, Northwestern University, Evanston Hospital, Northwestern University Medical Center, Evanston, IL

10:27 a.m. - 10:30 a.m. - Discussion

## 10:30 a.m. - 10:42 a.m. 10 CALIBRATION OF A POLARIZATION SENSITIVE OPTICAL COHERENCE TOMOGRAPHY SYSTEM FOR MEASUREMENT OF RETARDANCE AND OPTICAL AXIS

Nate J. Kemp❖, H. Grady Rylander III, Thomas E. Milner, University of Texas at Austin, Austin, TX

10:42 a.m. - 10:45 a.m. - Discussion

## 10:45 a.m. - 10:57 a.m. 287 QUANTITATIVE ANALYSIS OF CHROMOPHORE RESPONSES TO DERMATOLOGICAL LASER TREATMENTS USING NEAR- INFRARED REFLECTANCE HYPERSPECTRAL IMAGING

Zhihong Pan❖, Manish Prasad, Glenn Healey, Anthony Durkin, J. Stuart Nelson, Frederic Bevilacqua, Bruce Tromberg, University of California-Irvine, Beckman Laser Institute and Medical Clinic, Irvine, CA

10:57 a.m. - 11:00 a.m. - Discussion

## 11:00 a.m. - 11:12 a.m. 286 DETECTION OF NANO-SPHERE SIZES USING UV LIGHT SCATTERING SPECTROSCOPY BEYOND THE DIFFRACTION LIMIT

Kun Chen❖, Young L. Kim, Alexey Kromin, Yang Liu, Bruce Wessels, Mel Ulmer, Vadim Backman, Northwestern University, Evanston, IL

11:12 a.m. - 11:15 a.m. - Discussion

## 11:15 a.m. - 11:27 a.m. OPTICAL FUNCTIONAL IMAGING OF TISSUE THROUGH FLUORESCENCE LIFETIME MEASUREMENT OF SPECIFIC MARKERS AS A POTENTIAL TOOL FOR EARLY CANCER DETECTION

Israel Gannot, Izhar Ron, Farid Hekmat, Amir H. Gandjbakhche, Tel-Aviv University, Tel-Aviv, Israel, National Institutes of Health, Bethesda, MD

11:27 a.m. - 11:30 a.m. - Discussion

## Dermatology/Plastic Surgery

### PACIFIC BALLROOM C

Arielle N.B. Kauvar, M.D., Co-Chair

Christopher B. Zachary, M.D., Co-Chair

## LASER AND LIGHT SOURCE HAIR REMOVAL

## 8:00 a.m. - 8:06 a.m. 103 A NEW 810nm DIODE LASER FOR PHOTOEPILATION - CLINICAL AND HISTOPATHOLOGIC FINDINGS\*

Neil Sadick, Victor Prieto, Christopher Shea, Weill Medical College of Cornell University, New York, NY, University of Texas, Houston, TX, University of Chicago, Chicago, IL

\*The author(s) acknowledge that proprietary disclosure is required for material presented in this abstract.

♦Content discusses non-FDA approved device or off-label use.

\*\*Speaker

❖Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant. A poster of this presentation will also be available.

→Recipient of ASLMS Travel Grant.

# SUNDAY, APRIL 13, 2003

**8:06 a.m. - 8:12 a.m. 104**  
**CHANGE OF HAIR DIAMETERS AFTER HAIR REMOVAL WITH LONG PULSED DIODE LASER (800nm)**

Woosook Koh, Misook Lee, Jungeun Hwang, JM Hair Removal Center, Seoul, Korea

**8:12 a.m. - 8:18 a.m. 105**  
**COMBINED TREATMENT WITH LASER AND TOPICAL EFLORNITHINE IS MORE EFFECTIVE THAN LASER TREATMENT ALONE FOR REMOVING UNWANTED FACIAL HAIR - A PLACEBO-CONTROLLED TRIAL**

Iltefat Hamzavi, Eileen Tan, Jerry Shapiro, Harvey Lui, University of British Columbia, Vancouver, Canada

**8:18 a.m. - 8:24 a.m. 106**  
**HAIR GROWTH MANAGEMENT WITH A LOW-DOSE, CONTINUOUS-WAVE DIODE LASER USED IN SCANNING MODE\***

Dieter Manstein, Leyda E. Bowes, Mehran Poureshagh, Gregory B. Althuler, R. Rox Anderson, Massachusetts General Hospital Wellman Laboratories, Boston, MA, Palomar Medical Technologies, Burlington, MA

**8:24 a.m. - 8:30 a.m. - Late Breaking Abstract**

**8:30 a.m. - 8:40 a.m. - Discussion**

**8:40 a.m. - 8:46 a.m. 108**  
**HAIR REMOVAL WITH LONG PULSED DIODE LASERS: A COMPARISON BETWEEN TWO LASER SYSTEMS WITH DIFFERENT PULSE STRUCTURES**

Eli Janne Fiskerstrand, Lars O. Svaasand, J. Stuart Nelson, Center for Esthetic Laser Surgery, Norwegian University of Science and Technology, Trondheim, Norway, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA

**8:46 a.m. - 8:52 a.m. 109**  
**EPIDERMAL PROTECTION USING COLD AIR VERSUS CHILLED SAPPHIRE WINDOW DURING LASER APPLICATION\***

C.W. David Chang†, Lou Reinisch, Brian S. Biesman, Vanderbilt University, Nashville, TN, University of Canterbury, Christchurch, New Zealand, University of Tennessee, Nashville, TN

**8:52 a.m. - 8:58 a.m. 110**  
**A COMPARISON OF COLD AIR AND SAPPHIRE TEMPLATE IN REDUCING THERMAL DAMAGE FROM THE FREE ELECTRON LASER\***

Darrel L. Ellis, Lou Reinisch, Vanderbilt University and Nashville VA Medical Centers, Nashville, TN, University of Canterbury, Christchurch, New Zealand

**8:58 a.m. - 9:04 a.m. 111**  
**EVALUATION OF TISSUE EFFECTS AFTER CRYOGEN SPRAY COOLING EXPOSURE**

Bunsho Kao, Kristen M. Kelly\*\*, Guillermo Aguilar, Ronald J. Barr, J. Stuart Nelson, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA, Showa University, Tokyo, Japan

**9:04 a.m. - 9:10 a.m. 229**  
**HAIR GROWTH INDUCED BY LASER HAIR REMOVAL**

Ranella J. Hirsch, William A. Farinelli, Sharyn A. Laughlin, Valeria Campos, Jeffrey S. Dover, Kucy Pon, S. Van Laborde, Kenneth A. Arndt, Christine Dierickx, R. Rox Anderson, Wellman Laboratories of Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA, Laserderm, Ottawa, Canada, Clinica Valeria Campos, Jundiai, Brazil, Skincare Physicians of Chestnut Hill, Chestnut Hill, MA, Yale University School of Medicine, New Haven, CT, University of Gent, Belgium

**9:10 p.m. - 9:19 p.m. - Discussion**

**9:20 a.m. - 10:00 a.m.**

**Laser and Light Source Treatment of Hair Removal Expert Panel**

Melanie C. Grossman, M.D., Moderator

R. Rox Anderson, M.D.

Christine C. Dierickx, M.D.

Suzanne L. Kilmer, M.D.

Arielle N.B. Kauvar, M.D.

This panel will focus on the latest developments in laser/light source systems for hair removal. Topics to be discussed will include: hair removal in darker skin phototypes; the treatment of fine and light hair; the role of wavelength, pulse duration, spot size, and skin cooling; optimum treatment intervals and maintenance programs. Side effects will also be discussed. The discussions will be informal and audience participation is encouraged.

**10:00 a.m. - 10:30 a.m. - BREAK / VISIT THE EXHIBITS**

**RADIOFREQUENCY CONTROLLED TISSUE REJUVENATION**

**10:30 a.m. - 10:34 a.m. 112**  
**TREATMENT OF PROMINENT NASOLABIAL FOLDS AND CHEEK LAXITY WITH A NONABLATIVE RADIOFREQUENCY DEVICE**

Tina S. Alster, Elizabeth L. Tanzi, Washington Institute of Dermatologic Laser Surgery, Washington, DC

\*The author(s) acknowledge that proprietary disclosure is required for material presented in this abstract.

◆Content discusses non-FDA approved device or off-label use.

\*\*Speaker

†Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant. A poster of this presentation will also be available.

→Recipient of ASLMS Travel Grant.

# SUNDAY, APRIL 13, 2003

- 10:34 a.m. - 10:38 a.m.** 113  
**IMPROVEMENT OF NECK LAXITY WITH A NON-ABLATIVE RADIOFREQUENCY DEVICE: A LIFTING EXPERIENCE**  
*Elizabeth L. Tanzi, Tina S. Alster, Washington Institute of Dermatologic Laser Surgery, Washington, DC*
- 10:38 a.m. - 10:42 a.m.** 114  
**COLLAGEN AND TISSUE TIGHTENING: PARADIGM FOR TREATMENT OF THE CHEEKS AND NECK USING RADIOFREQUENCY**  
*Richard E. Fitzpatrick, Shilesh Iyer, Dermatology Associates and Cosmetic Laser Associates of San Diego County, Encinitas, CA*
- 10:42 a.m. - 10:46 a.m.** 115  
**FIRST MULTI-CENTER STUDY OF A NEW NON-ABLATIVE RADIOFREQUENCY DEVICE TO TIGHTEN FACIAL TISSUE**  
*Richard E. Fitzpatrick<sup>^</sup>, Roy Geronemus, David J. Goldberg, Michael Kaminer, Suzanne L. Kilmer, Javier Ruiz-Esparza, Dermatology Associates and Cosmetic Laser Associates of San Diego County, UC San Diego School of Medicine, San Diego, CA, New York University Medical Center, Mount Sinai School of Medicine, New York, NY, Harvard Medical School, Boston, MA*
- 10:46 a.m. - 11:02 a.m.** 116  
**HISTOLOGIC AND ULTRASTRUCTURAL EVALUATION OF THE EFFECTS OF A RADIOFREQUENCY BASED NON-ABLATIVE DERMAL REMODELLING DEVICE\***  
*Brian D. Zelickson, David Kist, Eric Bernstein, Jay Burns, Suzanne Kilmer, Karl Pope, University of Minnesota, Minneapolis, MN*
- 11:02 a.m. - 11:06 a.m. - Discussion**
- 11:06 a.m. - 11:12 a.m.** 117  
**TREATMENT OF NASOLABIAL FOLDS AND JOWLS WITH NON-INVASIVE RADIOFREQUENCY DEVICE**  
*Laurie Jacobson, Roy Geronemus, Laser & Skin Surgery Center of New York, New York, NY*
- 11:12 a.m. - 11:18 a.m.** 118  
**NON-ABLATIVE RADIOFREQUENCY TISSUE TIGHTENING OF FACIAL SKIN: THE MEDICAL FACE-LIFT: A REPORT OF 25 PATIENTS\*♦**  
*Javier Ruiz-Esparza, University of California, San Diego, CA*
- 11:18 a.m. - 11:24 a.m.** 119  
**THE NON-INVASIVE, NON-SURGICAL BREAST LIFT RADIOTHERMOPEXY: TISSUE TIGHTENING VIA NON-ABLATIVE RADIOFREQUENCY\*♦**  
*Javier Ruiz-Esparza, Julio Barba Gomez, University of California, San Diego, CA, Instituto Dermatologico de Jalisco, Mexico*
- 11:24 a.m. - 11:30 a.m.** 120  
**MONOPOLAR RADIOFREQUENCY MEDIATED SKIN CONTRACTION OF THE LOWER FACE: STUDY OF 35 PATIENTS\***  
*R.A. Weiss, M.A. Weiss, K.L. Beasley, Maryland Laser Skin & Vein Institute, Baltimore, MD*
- 11:30 a.m. - 11:34 a.m. - Discussion**
- 11:34 a.m. - 11:40 a.m.** 121  
**PHOTON RECYCLING AS A MEANS OF INCREASING EFFICACY AND SAFETY OF FLASHLAMP SYSTEMS\***  
*I. Yaroslavsky, G. Altshuler, A. Yaroslavsky, M. Pankratov, M. Stoll, D. Manstein, R.R. Anderson, Palomar Medical Technologies, Inc., Burlington, MA, Massachusetts General Hospital, Harvard Medical School, Boston, MA*
- 11:40 a.m. - 11:46 a.m.** 122  
**OPTICAL TREATMENT OF PSORIASIS USING LASERS AND LIGHT SOURCES\***  
*P. Bjerring, Zachariae Hugh, K. Christiansen, University Hospital, Aarhus, Denmark*
- 11:46 a.m. - 11:52 a.m.** 123  
**OPTIMIZATION OF TREATMENT OF PSORIASIS WITH B CLEAR SYSTEM\***  
*Christine Dierickx, Harvard Medical School, Boston, MA, University of Gent, Belgium, Laser Clinic Antwerp, Belgium*
- 11:52 a.m. - 11:58 a.m.** 258  
**LONG TERM RESULTS AFTER TREATMENT OF CHRONIC PLAQUES OF PSORIASIS BY PULSED DYE LASER**  
*J.M. Mazer, V. Fayard, Societe Francaise de Dermatologie, Paris, France*
- 11:58 a.m. - 12:04 p.m.** 124  
**CLINICAL EVALUATION OF BCLEAR AND PROTOPIC TREATMENT FOR VITILIGO**  
*Emil A. Tanghetti, Paul R. Gillis, Center for Dermatology and Laser Surgery, Sacramento, CA, Lumenis, Inc., Pleasanton, CA*
- 12:04 p.m. - 12:10 p.m.** 125  
**THE SAFETY AND EFFICACY OF A LOCALIZED UVB TREATMENT DEVICE FOR SELECTIVE COSMETIC REPIGMENTATION♦**  
*Macrene R. Alexiades-Armenakas, Leonard J. Bernstein, John Z.S. Chen, Laurie G. Jacobson, Roy G. Geronemus, Laser & Skin Surgery Center of New York, New York, NY*

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\*\*Speaker

✦Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant. A poster of this presentation will also be available.

→Recipient of ASLMS Travel Grant.

<sup>^</sup>Best Clinical Science Award Recipient.

# **SUNDAY, APRIL 13, 2003**

**12:10 p.m. - 12:16 p.m.**

**126**

**LONG-PULSED Nd:YAG 1064nm LASER FOR HYPOPIG-  
MENTATION**

*Min-Wei Christine Lee, The East Bay Laser & Skin Care Center,  
Walnut Creek, CA*

**12:16 p.m. - 12:22 p.m.**

**127**

**DUAL LASER BLEPHAROPLASTY WITH THE DIAMOND LASER  
SCALPEL AND LONG-PULSE ERBIUM LASER\***

*Harley F. Freiburger, Charleston, SC*

**12:22 p.m. - 12:28 p.m.**

**128**

**PATIENT EXPERIENCES AFTER LASER SKIN RESURFACING -  
RESULTS FROM PROSPECTIVE 2<sup>nd</sup> YEAR FOLLOW-UP**

*R. Sonia Batra, Carolyn Jacob, Lori Hobbs, Kenneth A. Arndt,  
Jeffrey S. Dover, Stanford University School of Medicine,  
Stanford, CA, Northwestern University Medical School, Chicago,  
IL, Charles Drew University of Medicine, Los Angeles, CA,  
Harvard Medical School, Yale University School of Medicine,  
Dartmouth Medical School, Chestnut Hill, MA*

**12:28 p.m. - 12:30 p.m. - Discussion/Summary Statements**

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# POSTERS

## Posters

CALIFORNIA PROMENADE/EXHIBIT HALL

E. Duco Jansen, Ph.D., Co-Chair

Whitney D. Tope, M.D., Co-Chair

FOR ASLMS 2003, THE POSTER SESSION WILL BE A CENTERPIECE EVENT. THE OFFICIAL POSTER SESSION WILL BE HELD IN CONJUNCTION WITH THE WINE AND CHEESE RECEPTION ON SATURDAY, APRIL 12TH FROM 5:00 P.M. - 7:30 P.M. WE ENCOURAGE ALL CONFERENCE ATTENDEES TO ATTEND THE POSTER SESSION, MEET AND SPEAK WITH THE PRESENTERS, ASK PROBING QUESTIONS, AND ENGAGE IN INFORMAL DISCUSSIONS.

### POSTER VIEWING HOURS

FRIDAY, APRIL 11, 2003	8:00 A.M. - 4:00 P.M.
SATURDAY, APRIL 12, 2003	8:00 A.M. - 1:30 P.M.
	5:00 P.M. - 7:30 P.M.
SUNDAY, APRIL 13, 2003	8:00 A.M. - 12:00 P.M.

### POSTER LOCATIONS

CALIFORNIA PROMENADE  
EXHIBIT HALL

❖ U.S. AIR FORCE OFFICE OF SCIENTIFIC RESEARCH/WHITAKER FOUNDATION  
GRANT RECIPIENT POSTERS WILL BE ON DISPLAY IN THE EXHIBIT HALL. ADDITIONAL  
POSTERS WILL BE LOCATED IN THE CALIFORNIA PROMENADE.

**#207** (5:00 p.m. - 6:00 p.m.)  
**TREATMENT OF VARIOUS VASCULAR MALFORMATIONS OF THE DERMAL AND HYPODERMAL LAYERS OF THE SKIN WITH A MULTIPLE WAVELENGTH AESTHETIC LASER SYSTEM**

Uros Ahcan, Peter Zorman, Dejan Recek, Simon Ralca, Marko Marincek, University Medical Center, Fotana d.d., Ljubljana, Slovenia

**#208** (6:00 p.m. - 7:00 p.m.)  
**TREATMENT OF BASAL CELL CARCINOMA WITH 595nm PULSED-DYE LASER: EFFICACY OF FLUENCES ABOVE AND BELOW THE PURPURA THRESHOLD**

Murad Alam, S. Ray Peterson, Sirunya Silapunt, Komal Chopra, Paul M. Friedman, Leonard H. Goldberg, Northwestern University, Chicago, IL, DermSurgery Associates, Houston, TX, University of Texas/MD Anderson Cancer Center, Houston, TX

**#209** (5:00 p.m. - 6:00 p.m.)  
**COMPARING THE 1064nm YAG TO THE 585nm PULSED DYE LASER IN THE TREATMENT OF 1mm LEG VEINS**

David Avram, Palak Parekh, Marc Avram, Weill-Cornell Medical Center, New York, NY

\*The author(s) acknowledge that proprietary disclosure is required for material presented in this abstract.

◆ Content discusses non-FDA approved device or off-label use.

\*\*Presenter

❖ Recipient of U.S. Air Force Office of Scientific Research/Whitaker Foundation grant.

→ Recipient of ASLMS Travel Grant.

**#210** (5:00 p.m. - 6:00 p.m.)  
**EFFECT OF SPECTRAL FILTERING ON EFFICACY OF HAIR REMOVAL WITH A LONG-PULSE FLASHLAMP SYSTEM\***

Amir Bajoghli, Mary Stoll, Ilya Yaroslavsky, Michail Pankratov, Tufts University School of Medicine, Boston, MA, Palomar Medical Technologies, Burlington, MA

**#211** (6:00 p.m. - 7:00 p.m.)  
**LASER TATTOO REMOVAL: AN INSTRUMENT FOR LIFESTYLE CHANGE\***

Lisa D. Benton, Adriana Alvarado, Stanford Hospital, Stanford, CA, Alameda County PHD, Oakland, CA

**#212** (6:00 p.m. - 7:00 p.m.)  
**REMODELLING OF CUTANEOUS ELASTIN IN PSEUDOXANTHOMA ELASTICUM USING AN ELLIPSE FLEX SECOND GENERATION IPL SYSTEM◆**

Peter Bjerring, Kaare Christiansen, Henrik Egekvist, University Hospital of Aarhus, Aarhus, Denmark

**#213** (6:00 p.m. - 7:00 p.m.)  
**THE CONCURRENT USE OF THE 532nm AND 1064nm WAVELENGTH Q-SWITCHED Nd:YAG LASER FOR FACIAL REJUVENATION**

Nydia Camacho-Padilla, Joop M. Grevelink, Boston Dermatology and Laser Center, Boston, MA

**#214** (5:00 p.m. - 6:00 p.m.)  
**PHOTOREJUVENATION WITH A TRIPLE PROCEDURE USING BOTH IPL (560 AND 640nm) AND Nd:YAG 1064nm LASER**  
Tatiana Cordero, Cyntia Lima, Valeria Campos\*\*, Clínica Valéria Campos, Jundiaí, Brazil

**#215** (6:00 p.m. - 7:00 p.m.)  
**COMBINATION DYE LASER AND GLICOLIC ACID PEELS FOR SKIN REJUVENATION IN DARKER SKIN TYPES**  
Tatiana Cordero, Cyntia Lima, Valeria Campos\*\*, Clínica Valéria Campos, Jundiaí, Brazil

**#216** (5:00 p.m. - 6:00 p.m.)  
**THE USE OF THE NLITE SYSTEM FOR NON-ABLATIVE WRINKLE REDUCTION IN DARKER SKIN TYPES**  
Tatiana Cordero, Cyntia Lima, Valeria Campos\*\*, Clínica Valéria Campos, Jundiaí, Brazil

**#217** (6:00 p.m. - 7:00 p.m.)  
**Q-SWITCHED ALEXANDRITE LASER FOR THE TREATMENT OF NEVUS OF OTA INCREASE VISCOELASTICITY OF THE TREATED AREA\***

H.H. Chan, W.K. Lam, D.S. Wong, W. Wei, University of Hong Kong, Hong Kong

# POSTERS

**#218** (5:00 p.m. - 6:00 p.m.)  
**TOPICAL APPLICATION OF PHOTOFRIN® FOR PHOTO-DYNAMIC DIAGNOSIS OF ORAL NEOPLASMS**  
*Cheng-Jen Chang, Pei-Shu Hwang, Muh-Shi Lin, Petra Wilder-Smith, Chang Gung Memorial Hospital, Taipei, Taiwan, Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA*

**#219** (6:00 p.m. - 7:00 p.m.)  
**VASCULAR RESPONSE TO LASER PHOTOTHERMOLYSIS OF LEG VEINS**  
*Cheng-Jen Chang, Chang Gung Memorial Hospital, Taipei, Taiwan*

**#220** (5:00 p.m. - 6:00 p.m.)  
**A PROSPECTIVE STUDY ON THE USE OF PULSE DYE LASER WITH DYNAMIC COOLING DEVICE IN THE TREATMENT OF PORTWINE STAIN IN CHINESE\***  
*F. Chiu, W.S. Ho, C.K. Yeung, H.H. Chan, University of Hong Kong, Hong Kong, Prince of Wales Hospital, Shatin, Hong Kong*

**#221** (6:00 p.m. - 7:00 p.m.)  
**EFFECTS OF LOW-ENERGY IRRADIATION ON DAMAGED MUSCLE CAUSED BY Bothrops moojeni SNAKE VENOM**  
*D.M. Dourado, M.A. Cruz-Höfling, I.B. UNICAMP, Campinas, SP, UNIDERP, Campo Grande, MS, Brazil*

**#222** (5:00 p.m. - 6:00 p.m.)  
**LONG TERM HAIR REDUCTION BY THE APEX 800 DIODE LASER\***  
*Mary Flor, Brian Zelickson, Charlotte Coles, Teresa Zeien, Abbott Northwestern Hospital's Center for Cosmetic Care, Minneapolis, MN*

**#223** (6:00 p.m. - 7:00 p.m.)  
**A NEW PROTOCOL FOR NON-ABLATIVE SKIN REJUVENATION UTILIZING THE DEPILOSE TWIN YAG 532/1064nm LASER SYSTEM\***  
*Harley Freiburger, Mario Luca Russo, Charleston Laser & Cosmetic Surgery Center, Charleston, South Carolina, Institute of Cosmetic Dermatology and Laser Surgery, London, United Kingdom*

**#224** (5:00 p.m. - 6:00 p.m.)  
**REMODELING OF ACNE SCARS USING A 1540nm Er:GLASS LASER**  
*Nathalie Fournier, Jean Michel Lagarde, Serge Mordon, Centre Laser Dermatologie & Phlebologie, Clapiers, France, Centre Jean Louis Alibert, CERPER, Institut de Recherche Pierre Fabre, Toulouse, France, UPRES EA 2689, INSERM IFR114, Lille, France*

**#225** (6:00 p.m. - 7:00 p.m.)  
**NON-ABLATIVE WRINKLE-REDUCTION BY INTENSE PULSED LIGHT AND BY PULSED DYE LASER: A COMPARATIVE STUDY**  
*Mario Grinblat, Iara Yoshinaga, Beni Grinblat, Hospital Israelita Albert Einstein, Sao Paulo-SP, Brazil*

**#226** (5:00 p.m. - 6:00 p.m.)  
**RADIOFREQUENCY TREATMENTS FOR FACIAL LAXITY, BROW PTOSIS AND ACNE SCARRING♦**  
*Karyn Grossman, Santa Monica, CA, New York, NY*

**#227** (6:00 p.m. - 7:00 p.m.)  
**A NEW PROTOCOL FOR PERMANENT HAIR REMOVAL SELECTING A SHORT OR LONG WAVELENGTH (755 OR 1064nm) ACCORDING TO SKIN TYPE, HAIR COLOR AND SIZE\***  
*Shalini Gupta, Mario Luca Russo, The Dermatology Laser and Vein Center, Cincinnati, OH, Institute of Cosmetic Dermatology and Laser Center, London, United Kingdom*

**#228** (5:00 p.m. - 6:00 p.m.)  
**PLASMA SKIN RESURFACING - A PRELIMINARY REPORT OF A NEW TECHNIQUE FOR SKIN RESURFACING\*♦**  
*Rick Harrison, Alex Ramsden, Keith Penny, Helen Wilson, Phil Andrews, David Gault, RAFT Institute, Northwood, United Kingdom, Mount Vernon Hospital, Northwood, United Kingdom, Gyrus Medical, Wokingham, United Kingdom*

**#230** (5:00 p.m. - 6:00 p.m.)  
**ON THE MECHANISM OF LOW INTENSITY LIGHT EFFECTS ON FIBROBLAST**  
*Jian-Ling Jiao, Timon Cheng-Yi Liu, Yan Li, Song-Hao Liu, South China Normal University, Guangzhou, China, Huazhong University of Science and Technology, Wuhan, China*

**#231** (5:00 p.m. - 6:00 p.m.)  
**EFFICACY OF LOW LEVEL LASER THERAPY IN RENAL FAILURE♦**  
*Prakash B. Katariya, Surekha S. Ghumare, "Laser Cure" Clinic & Research Center, Indian Institute of Laser Medicine, Pune, India*

**#232** (5:00 p.m. - 6:00 p.m.)  
**LOW LEVEL LASER THERAPY IS VERY EFFECTIVE IN DIABETES MELLITUS♦**  
*Prakash B. Katariya, Surekha S. Ghumare, "Laser Cure" Clinic & Research Center, Indian Institute of Laser Medicine, Pune, India*

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→Recipient of ASLMS Travel Grant.

# POSTERS

**#233** (5:00 p.m. - 6:00 p.m.)  
**EFFICACY OF LOW LEVEL LASER THERAPY IN PROLAPSED INTERVERTEBRAL DISC♦**

Prakash B. Katariya, Surekha S. Ghumare, "Laser Cure" Clinic & Research Center, Indian Institute of Laser Medicine, Pune, India

**#234** (5:00 p.m. - 6:00 p.m.)  
**LOW LEVEL LASER THERAPY CAN SAVE 100% AMPUTATIONS IN PERIPHERAL ARTERIAL DISEASE♦**

Prakash B. Katariya, Surekha S. Ghumare, "Laser Cure" Clinic & Research Center, Indian Institute of Laser Medicine, Pune, India

**#235** (6:00 p.m. - 7:00 p.m.)  
**LOW LEVEL LASER THERAPY EFFECTIVE FOR MIGRAINE♦**

Prakash B. Katariya, Surekha S. Ghumare, "Laser Cure" Clinic & Research Center, Indian Institute of Laser Medicine, Pune, India

**#236** (6:00 p.m. - 7:00 p.m.)  
**LOW LEVEL LASER THERAPY SUPERIOR TO HEART SURGERY IN CORONARY ARTERY DISEASE**

Prakash B. Katariya, Surekha S. Ghumare, "Laser Cure" Clinic & Research Center, Pune, India

**#237** (5:00 p.m. - 6:00 p.m.)  
**HISTOLOGICAL STUDY OF HAIR REMOVAL BY LASERS: A COMPARATIVE STUDY ON THE EFFECTS OF WAVELENGTH AND FLUENCE♦**

Tokue Kato, Tokuya Omi, Zenya Naito, Seiji Kawana, Nippon Medical School, Queen's Square Medical Center, Tokyo, Japan

**#239** (5:00 p.m. - 6:00 p.m.)  
**PSORIASIS TREATMENT WITH A 450 MICROSECOND PULSED DYE LASER IN COMBINATION WITH CRYOGEN SPRAY COOLING\***

Kristen M. Kelly, J. Stuart Nelson, G. Weinstein, Kathleen McMillan, University of California-Irvine, Irvine, CA, Candela Corporation, Wayland, MA

**#240** (6:00 p.m. - 7:00 p.m.)  
**TREATMENT OF FLUSHING, VASCULAR AND PIGMENTED LESIONS USING LONG PULSE Nd:YAG**

Jeffrey M. Kenkel, John Hoopman, Spencer Brown, University of Texas Southwestern at Dallas, Dallas, TX

**#241** (5:00 p.m. - 6:00 p.m.)  
**SUPERFICIAL PEEL USING A VARIABLE PULSED Er:YAG LASER**

Jeffrey M. Kenkel, John Hoopman, Spencer Brown, University of Texas Southwestern at Dallas, Dallas, TX

**#242** (6:00 p.m. - 7:00 p.m.)  
**A CLINICAL EVALUATION OF MULTIPLE, FULL FACE NON-ABLATIVE RADIOFREQUENCY TREATMENTS USING THE THERMACOOL TC SYSTEM® BY THERMAGE®♦**

Douglas J. Key, Key Laser Institute for Aesthetic Medicine, Portland, OR

**#243** (5:00 p.m. - 6:00 p.m.)  
**LASER HAIR REMOVAL IN PATIENTS UNDERGOING ACCUTANE THERAPY**

Khalil A. Khatri, Skin & Laser Surgery Center of New England, Cambridge, MA

**#244** (6:00 p.m. - 7:00 p.m.)  
**COLLAGEN PRODUCTION FOLLOWING NON-ABLATIVE WRINKLE REDUCTION IS ENHANCED BY TOPICAL APPLICATION OF A VITAMIN A DERIVATIVE\***

Lene Heickendorff, Peter Bjerring, Marc Clement, Mike Kiernan\*\*, Henrik Egekvist, University Hospital, Marseilborg Hospital, Aarhus, Denmark, University of Wales, Swansea, United Kingdom, ICN Photonics Ltd, Llanelli, Wales, United Kingdom

**#245** (5:00 p.m. - 6:00 p.m.)  
**COLLAGEN PRODUCTION FOLLOWING TOPICAL APPLICATION OF NIACIN PRIOR TO IRRADIATION WITH A 585nm PULSED DYE LASER\***

Lene Heickendorff, Peter Bjerring, Marc Clement, Mike Kiernan\*\*, Henrik Egekvist, University Hospital, Marseilborg Hospital, Aarhus, Denmark, University of Wales, Swansea, Wales, United Kingdom, ICN Photonics Ltd, Llanelli, Wales, United Kingdom

**#246** (6:00 p.m. - 7:00 p.m.)  
**NEW CLINICAL APPLICATION OF LASER HAIR REMOVAL: WIDENING OF NARROW FOREHEAD**

Wooseok Koh, Jungeun Hwang, JM Hair Removal Center, Seoul, Korea

**#247** (5:00 p.m. - 6:00 p.m.)  
**EARLY TREATMENT OF NEVUS OF OTA IN CHILDREN USING THE Q-SWITCHED RUBY LASER**

Taro Kono, Henry H.L. Chan, Ali Riza Erçögen, Yuji Kikuchi, Motohiro Nozaki, Tokyo Women's Medical University, Tokyo, Japan, University of Hong Kong, Hong Kong

**#248** (6:00 p.m. - 7:00 p.m.)  
**SHORTENING OF POST-ABLATIVE CO<sub>2</sub> RECOVERY TIME BY COMBINATION AURA 532nm AND LYRA 1064nm LASERS USED FOR NON-INVASIVE REJUVENATION**

Min-Wei Christine Lee, The East Bay Laser & Skin Care Center, Walnut Creek, CA

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# POSTERS

**#249** (5:00 p.m. - 6:00 p.m.)  
**THE EFFECTS OF LASER ON PHOTSENSITIZING DRUGS**  
 Min-Wei Christine Lee, The East Bay Laser & Skin Care Center,  
 Walnut Creek, CA

**#250** (6:00 p.m. - 7:00 p.m.)  
**COMPARISON OF A TOPICAL TRIPLE ANESTHETIC CREAM  
 WITH 3 LEADING BRANDS**  
 Min-Wei Christine Lee, The East Bay Laser & Skin Care Center,  
 Walnut Creek, CA

**#251** (5:00 p.m. - 6:00 p.m.)  
**ON THE MECHANISM OF LOW INTENSITY LIGHT INDUCED  
 APOPTOSIS**  
 Timon Cheng-Yi Liu, Jian-Ling Jiao, Xiao-Yang Xu, Rui Duan, Shu-  
 Xun Deng, Song-Hao Liu, South China Normal University,  
 Guangzhou, China, Huazhong University of Science and  
 Technology, Wuhan, China

**#255** (6:00 p.m. - 7:00 p.m.)  
**SPECTROGRAPHIC CHARACTERISTICS OF ORAL TISSUE\***  
 Marcos Magar<sup>†</sup>, Roman Zorin, Tatiana Krasieva, Petra Wilder-  
 Smith, University of California-Irvine, Irvine, CA

**#256** (5:00 p.m. - 6:00 p.m.)  
**NEW TECHNIQUE FOR HAIR GROWTH EVALUATION\***  
 D. Manstein, M.Z. Smirnov, H.H. Zenzie, Massachusetts General  
 Hospital, Wellman Laboratories, Boston, MA, Institute of Fine  
 Mechanics & Optics Laser Center, St. Petersburg, Russia, Palomar  
 Medical Technologies, Burlington, MA

**#257** (6:00 p.m. - 7:00 p.m.)  
**HEALING PROCESS IN THE SKIN OF WISTAR RATS TREATED  
 WITH Maytenus Illicifolia EXTRACT AND LASER RADIATION**  
 R. Matias, D.M. Dourado, P.T.C. Carvalho, K. Oliskovicz, Fávero,  
 S.I. UNIDERP, Campo Grande, MS, Brazil

**#259** (6:00 p.m. - 7:00 p.m.)  
**TREATMENT OF FACIAL ACNE WITH A 1450nm DIODE LASER:  
 A COMPARATIVE STUDY**  
 J.M. Mazer, Societe Francaise de Dermatologie, Paris, France

**#260** (5:00 p.m. - 6:00 p.m.)  
**TWO YEARS OF EXPERIENCE USING PHOTO FACIAL  
 REJUVENATION™\***  
 Luigi Mazzi, Verona, Italy

**#261** (6:00 p.m. - 7:00 p.m.)  
**1064nm Nd:YAG FOR LEG TELANGIECTASIAS AND  
 RETICULAR VEINS\***  
 Luigi Mazzi, Verona, Italy

**#262** (5:00 p.m. - 6:00 p.m.)  
**OPTOTHERMAL MEDIATED LASER INTERACTIONS: MULTIPLE  
 APPLICATION LASER-BASED TECHNOLOGY FOR CLINICAL  
 USE\***  
 Joseph Neev, Jennifer Links, Noam Calderon, Theodore Kaufman,  
 Jeremy Links, Y-Beam Technologies, Inc., Lake Forest, CA,  
 Rothschild Medical Center, Haifa, Israel

**#263** (5:00 p.m. - 6:00 p.m.)  
**PIGMENT-CONTROL THERAPY OF MELASMA FOR ASIAN  
 SKIN: A NEW TREATMENT APPROACH**  
 Kei Negishi, Shingo Wakamatsu, Tokyo Women's Medical  
 University Daini Hospital, Tokyo, Japan

**#264** (6:00 p.m. - 7:00 p.m.)  
**NEW PHOTOTHERAPY OF ACNE - BLUE LIGHT THERAPY AND  
 DYE LASER THERAPY\***  
 Toyuya Omi, Seiji Kawana, Mitsuyoshi Honda, Queen's Square  
 Medical Center, Yokohama, Japan, Nippon Medical School,  
 Tokyo, Japan

**#265** (5:00 p.m. - 6:00 p.m.)  
**LASER TREATMENT OF NEOVASCULAR FORMATION**  
 Boris Raskin, Fac Medicine PUCCAMP, Sao Paulo, Brazil

**#266** (6:00 p.m. - 7:00 p.m.)  
**SUCCESSFUL TREATMENT OF KNUCKLE PADS WITH Er:YAG  
 LASER TECHNIQUE**  
 Katharina Russe-Wilflingseder, Manfred Herold, Laserzentrum  
 Haydnplatz, Innsbruck, Austria, Plataforma Laser Centro  
 MedicoTeknon, Barcelona, Spain

**#267** (5:00 p.m. - 6:00 p.m.)  
**TREATMENT OF FACIAL AND LOWER EXTREMITY TELANGIEC-  
 TASIAS AND RETICULAR LEG VEINS WITH THE DEPILOSE  
 LONG PULSE Nd:YAG LASER SYSTEM IN DARK SKIN TYPES\***  
 Mario Luca Russo, Shalini Gupta, Institute of Cosmetic  
 Dermatology and Laser Surgery, London, United Kingdom, The  
 Dermatology Laser and Vein Center, Cincinnati, OH

**#268** (6:00 p.m. - 7:00 p.m.)  
**A MONOMODAL APPROACH TO LASER TREATMENT OF  
 LOWER EXTREMITY CLASS I-III VESSELS\***  
 Neil Sadick, Weill Medical College of Cornell University, New  
 York, NY

**#269** (5:00 p.m. - 6:00 p.m.)  
**OPTIMUM LASER PARAMETERS FOR THE TREATMENT OF  
 RECALCITRANT PORTWINE STAINS**  
 O.T. Tan, T.J. Stafford, J. Boll, R. Sierra\*\*, Boston, MA

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# POSTERS

**#270** (6:00 p.m. - 7:00 p.m.)  
**MODIFIED SUPER LONG PULSE 800nm DIODE LASER IN THE TREATMENT OF PSEUDOFOLLICULITIS BARBAE IN SKIN TYPES V AND VI\***

Eric P. Smith, Doug Winstanley, E. Victor Ross, Naval Medical Center San Diego, San Diego, CA

**#271** (5:00 p.m. - 6:00 p.m.)  
**TREATMENT OF PURPURA AFTER PDL WITH LOW LEVEL LASER AND GEL♦**

Roman Tmucel, Vendula Dvorakova, Charles University, Asklepion-Lasercentrum, Prague, Czech Republic

**#272** (6:00 p.m. - 7:00 p.m.)  
**CLINICAL EVALUATION OF NON-ABLATIVE SKIN REJUVENATION USING THE 532nm AND COMBINATION 532nm & 1064nm LASERS**

Mei-Heng Tan†, Jeffrey S. Dover, Te-Shao Hsu, Kenneth A. Arndt, Brigitte Stewart, SkinCare Physicians, Chestnut Hill, MA, Yale University School of Medicine, New Haven CT, Dartmouth Medical School, Hanover, NH, Harvard Medical School, Boston, MA

**#273** (5:00 p.m. - 6:00 p.m.)  
**DYE LASER EXTENDED PULSE FORMAT EFFECTS ON PURPURIC THRESHOLD**

Emil A. Tanghetti, Center for Dermatology and Laser Surgery, Sacramento, CA

**#274** (6:00 p.m. - 7:00 p.m.)  
**COMPARISON OF PULSE DYE LASER AND INTENSE PULSE LIGHT SOURCE FOR THE TREATMENT PHOTODAMAGE**

Emil A. Tanghetti, Center for Dermatology and Laser Surgery, Sacramento, CA

**#275** (5:00 p.m. - 6:00 p.m.)  
**COMBINED EXTENDED PULSE-DURATION DYE LASER / DRUG THERAPY FOR ACTIVE ACNE LESIONS**

Emil A. Tanghetti, Center for Dermatology and Laser Surgery, Sacramento, CA

**#276** (6:00 p.m. - 7:00 p.m.)  
**PRELIMINARY EVALUATION OF EPIDERMAL COOLING IN THE LASER TREATMENT OF TATTOOS\***

Dany Touma, Kathy Formosi, Boston University School of Medicine, Boston, MA

**#277** (5:00 p.m. - 6:00 p.m.)  
**TREATMENT OF ACTINIC BRONZING AND SOLAR LENTIGINES WITH SUPER-LONG-PULSE FLASHLAMP SYSTEM\***

David B. Vasily, Aesthetica Cosmetic & Laser Surgery Center, Bethlehem, PA

**#278** (6:00 p.m. - 7:00 p.m.)  
**TREATMENT OF ROSACEA WITH A LONG-PULSE FLASHLAMP SYSTEM\***

David B. Vasily, Aesthetica Cosmetic & Laser Surgery Center, Bethlehem, PA

**#279** (5:00 p.m. - 6:00 p.m.)  
**SPECTROPHOTOMETER ANALYSIS OF SKIN FOR MELANIN QUANTIFICATION AND ITS CLINICAL APPLICATION FOR THE OPTIMUM PARAMETER SETTING OF INTENSE PULSED LIGHT\***

Shingo Wakamatsu, Kei Negishi, Motoharu Takahashi, Yuji Masuda, Tokyo Women's Medical University, Daini Hospital, Tokyo, Japan, Shiseido Central Research Center, Kanagawa, Japan

**#280** (6:00 p.m. - 7:00 p.m.)  
**LUPUS PERNIO: TREATMENT WITH THE 595nm PULSED DYE LASER**

Marjorie U. Yang, Sandy S. Tsao, Wellman Laboratories of Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA, Massachusetts General Hospital Dermatology Laser Center, Boston, MA

**#281** (5:00 p.m. - 6:00 p.m.)  
**LONG - TERM HAIR REDUCTION FROM MULTIPLE TREATMENTS WITH CONTINUOUS - WAVE DIODE LASER\*♦**

Henry Zenzie, Khalil Khatri, Mary Stoll, Dieter Manstein, Gregory Altshuler, R. Rox Anderson, Palomar Medical Technologies, Burlington, MA, Skin and Laser Surgery Center, Cambridge, MA, Massachusetts General Hospital, Harvard Medical School, Boston, MA

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# COMMERCIAL EXHIBITS

**Friday, April 11, 2003** 8:00 a.m. - 4:00 p.m.  
**Saturday, April 12, 2003** 8:00 a.m. - 1:30 p.m.  
 5:00 p.m. - 7:30 p.m.  
**Sunday, April 13, 2003** 8:00 a.m. - 12:00 p.m.

**Exhibit Chairperson - Gregory T. Absten, BSc, MBA, CLRT**

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**CHILDREN UNDER THE AGE OF 16 ARE NOT PERMITTED IN THE EXHIBIT HALL.**

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 29816 Banderas

Ranch Santa Margarita, CA 92688

Adept Medical Concepts, Inc. is a cutting edge medical and aesthetic laser company located in Southern California. Founded in 1998 as a laser service and clinical support group, AMC provides cost-effective and reliable laser and light technologies to the medical community for the treatment of vascular and pigmented lesions, leg veins, hair removal and non-ablative skin rejuvenation.

**Aesthetic Buyers Guide**.....510  
 27796 Soller

Mission Viejo, CA 92692

Medical Insight, Inc. is the publisher of *Medical Laser Insight* monthly report and the *Aesthetic Buyers Guide*. For free sample issues and a complete list of current market studies, please visit our booth.

**Aesthetic Marketing Concepts**.....412,414  
 3324 Sulky Circle

Marietta, GA 30067

Aesthetic Marketing Concepts offers everything you need to effectively and affordably market your cosmetic practice! Patient education brochures, websites, patient mailing postcards, practice management, procedures/gift cards, custom brochures and advertisements, logo design, and internet directory listings for photorejuvenation.com.

**Altus Medical**.....306,308  
 821 Cowan Road

Burlingame, CA 94019

Treat more patients with the CoolGlide™ and the NEW Vantage Aesthetic Laser System from Altus Medical. Long Pulse Nd:YAG technology for hair removal, treatment of vascular lesions and genesis non-ablative skin therapy. This system provides independent control of treatment parameters and maximizes

patient safety and efficacy. Integrated contact cooling provides the ultimate in epidermal protection.

**American Medical Bio Care**.....609  
 1201 Dove Street, Suite 520

Newport Beach, CA 92660

American Medical Bio Care and Luxsano A.B. are proud to announce the introduction of a new FPL product; the Omnilight. Built to ISO Medical Device Standards and has FDA approvals, the Omnilight is designed to provide the Health Care Professional with best results in permanent hair removal, skin rejuvenation, pigment removal, and treatment of vascular lesions.

**American Society for Dermatologic Surgery**.....213  
 5550 Meadowbrook Drive, Suite 120

Rolling Meadows, IL 60008

The American Society for Dermatologic Surgery (ASDS) was founded in 1970 to promote excellence in the subspecialty of dermatologic surgery and to foster the highest standards of patient care.

**American Society for Laser Medicine and Surgery, Inc.**.....407  
 2404 Stewart Avenue

Wausau, WI 54401

The American Society for Laser Medicine and Surgery, Inc. is the world's largest scientific organization dedicated to facilitating research, education, and high standards of clinical care in the field of medical laser applications. It provides a forum for the exchange of scientific information and participates in communicating the latest developments in laser medicine and surgery to clinicians, research investigators, government, regulatory agencies, and the public. The Society has taken the lead in formulating standards and guidelines for establishing safe, effective laser programs in hospitals and other institutions, and have recommended standards for medical laser training programs. Stop by our booth, pick up a Society brochure, and complete a membership application today.

**B&W TEK, Inc.**.....310  
 825 Dawson Drive

Newark, DE 19713

B&W TEK, Inc. manufactures and supplies component, modules, and systems of fiber-delivered high-powered semiconductor lasers, diode-pumped solid-state lasers and fiber lasers (up to 150-Watt, 400nm - 2000nm), for applications in biostimulation, dentistry, photodynamic therapy (PDT), surgery, ophthalmology, and dermatology. B&W TEK is a broadband source for OCT (860-1900nm) and Mini-CCD-spectrometer for diagnosis. B&W TEK specializes in OEM design, prototyping and manufacturing.

# COMMERCIAL EXHIBITS

## **biO2 Cosmeceuticals International, Inc.....317**

1504 Rutgers Place  
Harbor City, CA 90710

biO2 Cosmeceuticals is a leader in cutting edge healing technology with Oxy-Mist Treatment & Amino-Plex®; this combination promotes a faster, better quality of healing after laser skin treatments, laser hair removal, chemical peels, medical micro-dermabrasion, hair transplantation, sutures, skin irritations, ulcers, and radiation irritation.

## **Biophotonics International.....312**

Berkshire Common, 2 South Street  
Pittsfield, MA 01201

Biophotonics International magazine is designed for people who are using photonic technology in medical or biotechnical products and procedures, and for key researchers who are looking for new techniques and products to solve their problems. It is distributed free to those who use or apply photonics.

## **Candela.....Island 513**

530 Boston Post Road  
Wayland, MA 01778

Candela Corporation offers a complete line of aesthetic lasers which include the patented Dynamic Cooling Device™ (DCD) for cool comfort - Smoothbeam™ for the treatment of back acne and atrophic acne scars and reduction of periorbital wrinkles, Vbeam® PDL treating vascular lesions and wrinkles and the new smaller, more portable and faster GentleLASE® family of hair removal lasers.

## **Canfield Clinical Systems.....207**

253 Passaic Avenue  
Fairfield, NJ 07004

Canfield Clinical Systems is a leading supplier and developer of medical photographic equipment, software and computer systems for patient imaging including the full line of Mirror® software, and proven practice specific clinical imaging products.

## **Care-Tech Laboratories, Inc.....409**

3224 South Kingshighway Boulevard  
St. Louis, MO 63139

Care-Tech® Laboratories, Inc. is a 107 year old research and development entity that specializes in topical antimicrobial technology for the prevention and treatment of topical infection. Stop by our booth for free samples of our new technology for laser care.

## **Carl Zeiss Meditec AG (formerly Asclepion-Meditec).....304**

Goeschwitzerstr. 51-52  
Jena 07745, Germany

Carl Zeiss Meditec AG is one of the world's leading providers of innovative laser systems for ophthalmology, aesthetic and dentistry applications. Products include lasers for hair removal, skin ablation/resurfacing, tattoo removal, cosmetic surgery, and removal of vascular and pigmented lesions.

## **Coastal Life Technologies.....315**

6993 Alamo Downs Parkway  
San Antonio, TX 78238

Coastal Life Technologies is an ISO/CE certified manufacturer of proprietary surgical laser fiber optic delivery devices and cholangiography catheters used in a variety of surgical applications. The fibers are specifically designed for use with SMA-905 compatible laser systems with wavelengths of approximately 488, 514, 532, 805 and 1064nm. OEM medical manufacturing, final assembly, packaging, and private labeling services are also available.

## **CoolTouch, Inc.....115,117**

9085 Foothills Boulevard  
Roseville, CA 95747

The Dove is a compact, portable infrared surgical system designed to meet the needs of the modern dermatology practice.

## **Cynosure, Inc.....208**

10 Elizabeth Drive  
Chelmsford, MA 01824

Cynosure's family of lasers deliver superb results in a wide range of cosmetic conditions, including facial rejuvenation, hair removal, scar revision, portwine birthmarks, facial spider veins, stretch marks, tattoos and pigmented lesions. These lasers have achieved recognition in the practices of physicians worldwide.

## **Danish Dermatologic Development A/S.....804,806**

Dr. Neergaards VEJ 5A  
Hoersholm 2970, Denmark

Danish Dermatologic Development A/S (DDD) successfully develops, manufactures and markets Ellipse FLEX, a well documented and clinically proven, new generation intense pulsed light (IPL) system. The Ellipse FLEX system offers fast, safe and effective treatments of unwanted hair, vascular and pigment disorders of the skin and photorejuvenation, suitable for many different skin types. Danish Dermatologic Development A/S works closely with leading research dermatologists globally, many more innovative products are in the pipeline. Danish Dermatologic Development A/S is today recognized as a leading player in the light-based aesthetic device market.

## **Depilase North America.....Island 401**

3455 Peachtree Street NE, 5th Floor  
Atlanta, GA 30326

Depilase is a world leader in laser and light-based technologies for medical, surgical and aesthetic applications. Founded in 1996, by leading dermatologists, Depilase offers the widest range of laser products and product services for dermatology, vascular surgery and surgical applications with one, two or three wavelengths in the same system. Depilase is the leading company in laser hair removal with the first and only world FDA approved dual wavelength laser system that combines alexandrite (755nm) and Nd:YAG (1064nm) laser technology for permanent hair reduction on all skin types and in vascular and pigmented lesion removal with the most powerful 532/1064 laser system in the market.

# COMMERCIAL EXHIBITS

## Edge System's Corporation.....603

2321 East 28th Street, Suite 404

Signal Hill, CA 90755

Edge Systems Corporation is a registered medical manufacturing company that designs, manufactures, and sells medical related products worldwide. Well known for its high quality products and excellent service, Edge Systems products include: SAFE® system surgical smoke evacuator, Delphia® microdermabrasion systems, Delphia® Ile and Delphia® Ile Plus microdermabrasion and massage therapy systems, UltraMax™ ultrasonic skin rejuvenator, OxyMax™ oxygen therapy system, and FotoFinder® mole analyzing and imaging systems.

## emed, Inc.....319

191 West Wilbur Road, Suite 103

Thousand Oaks, CA 91360

The SilkPeel Precision Exfoliation and Topical Delivery System is the first non-ablative device to perform particle-free abrasion while simultaneously delivering topical formulas that target specific dermatological conditions, including acne, dehydration, hyperpigmentation, photodamage, and fine line wrinkles.

Patented by emed, Inc., this breakthrough technology redefines aesthetic skin resurfacing.

## ESBA Laboratories, Inc.....203

930 Seena Avenue

Los Altos, CA 94024

TOPICAIN® is a translucent, non-oily gel containing lidocaine 4% in a micro emulsion drug delivery system with skin permeation enhancers and soothing agents. Rapid onset and prolonged duration, makes this product better than leading brands (\*reprint of independent study available upon request). Clear gel, with great patient acceptance, easy cleanup, does not interfere with laser. Occlusion is optional and very affordable; over the counter. It is dispensed principally from doctors' and aesthetic professionals' offices and is recommended for laser hair removal, skin resurfacing, collagen/botox injections, acid peels, treatment of portwine stains and telangiectasias, electrolysis pediatric procedures, and more. For more information call (800) 677-9299.

## Fotona.....519,618

7119 East Shea Boulevard, Suite 109-107

Scottsdale, AZ 85254

While not an instantly recognized name in the U.S., Fotona is a leader in the research, design and manufacture of laser technology with over 35 years of experience and over 12,000 systems installed worldwide. Fotona USA is proud to offer an extensive line of innovative laser technology for medical and aesthetic applications including hair removal, pigmented lesions, skin rejuvenation, and a wide range of vascular lesions. We provide system configurations, training and support services customized to fit the unique needs, budget and goals of each practice. At ASLMS, Fotona USA will introduce a new line of its Dualis multi-wavelength lasers. This technology provides the versatility of multiple laser systems at pricing similar to competitors single wavelength systems.

## GPT Glendale.....411

200 John Dietsch Boulevard

Attleboro Falls, MA 02763

GPT Glendale is the world leader in high quality laser eye protection and patient care products. All items meet ANSI and CE requirements. High visibility, style and comfort are key attributes for our products. At ASLMS 2003 we will introduce clear IPL eyewear.

## Genesis Biosystems, Inc.....516

405 Highway 121 Bypass

Suite D-120

Lewisville, TX 75067

Genesis Biosystems manufactures, sells, services and warranties the Derma Genesis® line of medical microdermabrasion systems, as well as the UltraLite surgical headlight. Derma Genesis®, the market leader, features the M2 for beginning practitioners and the M2Turbo for more advanced practices. Our exclusive Perpetual Warranty backs both models. UltraLite headlamps are unsurpassed in untethered portability and brightness.

## High Power Devices, Inc.....217

1200A Airport Road

North Brunswick, NJ 08902

High Power Devices manufactures a laser source that operates at wavelengths of 635nm, 655nm, 670nm, and 690nm with output power to 2-watts CW. The system integrates the driver, temperature controller and user interface computer in a low cost package. Other products include a wide range of visible and infrared laser diodes.

## Hoya/ConBio Lasers.....107,109

47733 Fremont Boulevard

Fremont, CA 94538

HOYA ConBio Lasers (formerly Continuum) is proud to offer the new Medlite C series. By reducing the size and enhancing the stability of our proven laser series, the Medlite C brings a new dimension to this outstanding technology. The Medlite has truly earned its reputation as the "workhorse" of the medical practice.

## ICN Pharmaceuticals.....413,415

3300 Hyland Avenue

Costa Mesa, CA 92626

ICN Pharmaceuticals, Inc. offers a wide range of products to dermatologists and plastic surgeons. Kinerase®

(N<sup>6</sup>Furfuryladenine) provides post procedure moisturization and helps photodamaged skin without the side effects of topical retinoids. Glyquin® (Hydroquinone USP - 4%) cream includes glycolic acid as well as antioxidants and has an SPF of 15. Efudex® (Fluorouracil) is available in a 5% cream or solution and a 2% solution. ICN also provides the NLite™, CoolTouch® and CoolTouch-VARIA™ lasers with little to no discomfort or down time resulting in healthier-looking, younger-looking skin.

# COMMERCIAL EXHIBITS

## **Innovative Optics, Inc.....506**

6826 Hemlock Lane

Maple Grove, MN 55369

Innovative Optics is a leading manufacturer of laser protective eyewear for the clinician and the patient. We have a complete selection of laser glasses and goggles including stainless steel goggles and five separate sizes of intra-ocular eye shields for the patient. Stop by and try our new 3.5x surgical magnifying loupes.

## **IRIDEX.....518**

1212 Terra Bela Avenue

Mountain View, CA 94043

IRIDEX manufactures the Apex\* 800 pulsed diode laser system for fast, comfortable and effective treatment of unwanted hair and the Diolite™ 532 laser system for treatment of a wide variety of vascular and pigmented lesions.

## **John Wiley & Sons, Inc.....904**

111 River Street

Hoboken, NJ 07030

*Lasers in Surgery and Medicine*, the Official Journal of the American Society for Laser Medicine and Surgery, Inc., publishes the highest quality research and clinical manuscripts in the therapeutic and diagnostic use of lasers in medicine and biology. Contributions in clinical trials, new treatments or instrumentation, laser biophysics and bioengineering, photobiology and photochemistry, outcomes research, cost-effectiveness and other aspects of biomedicine are welcome. Using a process of rigorous yet rapid review of submitted manuscripts, findings of high scientific and medical interests are published with minimum delay. Stop by the Wiley booth at the ASLMS show to pick up flyers and sample copies of the journal, or visit the website for all you need to know about publishing in or subscribing to *Lasers in Surgery and Medicine*: [www.interscience.wiley.com/lsm](http://www.interscience.wiley.com/lsm).

## **Kentek Corporation.....313**

1 Elm Street

Pittsfield, NH 03263

Kentek is the leading laser safety supply company in the world. Physician laser eyewear, patient laser eyewear, ANSI Z136.6 laser shades, curtains, partitions, and accessories can all be found at Kentek, [www.kentek-laser.com](http://www.kentek-laser.com).

## **LaserExpress/Lasernews.net.....906**

P.O. Box 320395

San Francisco, CA 94132

*LaserExpress* is the official online journal of the ASLMS. Housed and supported by *LaserNews.net*, *LaserExpress* features peer-reviewed articles, abstracts, multimedia presentations and opinion pieces. *LaserExpress* is currently accepting manuscripts (full-length articles and brief abstracts) for consideration of publication. Please visit the *LaserExpress* exhibit for more information or go to [www.laserexpress.net](http://www.laserexpress.net).

## **Laser Peripherals, LLC.....211**

1000 Boone Avenue North, Suite 300

Golden Valley, MN 55427

Laser Peripherals is a leading manufacturer of surgical fiber optic delivery systems with over 15 years experience. Products include bare, contact, gas-cooled and patented lateral-emitting fiber technology. Multiple wavelength applications available including holmium, KTP, Nd:YAG, diode and ruby. OEM/private labeling and engineering services are also available. For additional information you can contact at: (800) 966-5273 or (763) 525-8460, FAX: (763) 525-8461, [www.laserperipherals.com](http://www.laserperipherals.com).

## **Laserscope.....Island 307**

3070 Orchard Drive

San Jose, CA 95134

Laserscope is a leading manufacturer of lasers for both aesthetic and surgical applications including Enhanced Skin Rejuvenation-the treatment for wrinkles and sun damage, hair removal and the treatment of leg veins. Laserscope's new Niagara PV™ system offers a breakthrough minimally invasive surgical procedure for the treatment of BPH.

## **Light Age, Inc.....215**

Two Riverview Drive

Somerset, NJ 08873

Light Age develops, manufactures and markets alexandrite laser systems for medical device and treatment research. Our standard laser products include the FDA-approved EpiCare™ for hair removal and Ta2 Eraser™ for tattoo removal. Our PAL™ laser system offers a variety of wavelengths and other features for medical research applications including oncology, ophthalmology, dermatology, cardiology and more. Contact: Dr. Brian Pryor, Director of Business Development.

## **Light BioScience, LLC.....209**

933 First Colonial Road, Suite 205

Virginia Beach, VA 23453

At Light BioScience, we develop non-laser, light emitting diodes (LED's) based on the scientific theory of photo modulation to activate or inhibit living cells. Our flagship GentleWaves devices encompass a broad range of potential applications including anti-aging cosmetic skin treatments that diminish the appearance of wrinkles and sun damage.

## **Lippincott Williams & Wilkins.....318**

4750 Matty Court

La Mesa, CA 91941

Lippincott Williams & Wilkins - premier publisher of the most current medical information available via textbooks, journals, CD ROMs, DVD's, and palm pilots. For further information and to order products contact Gary White, Phone: (619)-465-6365, Fax: (619) 465-1424, Email: [gawhite@lww.com](mailto:gawhite@lww.com).

# COMMERCIAL EXHIBITS

- Luménis, Inc.**.....Island 507  
2400 Condensa Street  
Santa Clara, CA 95051  
Lumenis, Inc. develops, manufactures and markets lasers and intense pulsed light devices used for a variety of aesthetic, ophthalmic, and surgical applications. In our booth #507, we will display systems used for multiple applications including photo-rejuvenation, repigmentation, acne, hair removal, non-invasive treatment of vascular and pigmented lesions, psoriasis and vitiligo.
- Mattioli Engineering**.....512  
4200 Wilson Boulevard, Suite 750  
Arlington, VA 22203  
Ultra Peel is the ultimate in microdermabrasion systems with an all-new totally disposable package (hand piece, containers, tubing). Safest, cleanest, easiest to use, maintenance free, with no cross contamination between patients, and no clogging. A new science in skin care, Ultra Peel, manufactured by Mattioli Engineering of Italy, offers unsurpassed results in skin resurfacing. The Ultra Peel microdermabrasion systems, with pre-filled, sterilized, disposable crystal containers allow for consistent and uniform crystal flow, along with eliminating clogging and spillage. The pre-sealed waste containers make for easy maintenance and safer disposing. Variable tip selection (45° and 90°) provides for optimal procedures. ULTRAPEEL, the ultra system. For additional information or to request a personal demonstration, call our offices at 1-877-628-8364. Also visit our website at [www.matteng.com](http://www.matteng.com), or email us at [info@matteng.com](mailto:info@matteng.com).
- MedArt Corporation**.....100,102  
11772 Sorrento Valley Road  
San Diego, CA 92121
- MedNet Technologies, Inc.**.....216  
1975 Linden Boulevard  
Elmont, NY 11003  
MedNet Technologies designs, hosts and manages websites for medical and dental practices, hospitals and other healthcare organizations. Clients range in size from individual medical offices to teaching institutions, medical societies, and other healthcare related companies.
- Medical Laser Report/Laser Focus World**.....Tabletop  
98 Spit Brook Road  
Nashua, NH 03062  
Medical Laser Report is the only publication, which offers timely reporting on the medical-laser industry. In addition to late-breaking news, you'll gain insights into the latest medical-laser technologies. Find out what products are about to reach the market.
- MegaPeel**.....611,710  
394 Parkmount Road, P.O. Box 198  
Lenni, PA 19052-0198  
MegaPeel is the only microdermabrasion system featuring the **Enviro-Sealed™ Hepa Cartridge**. The closed Hepa-filtration system eliminates clogging, excessive crystal flow and airborne contaminants for a cleaner, safer environment. MegaPeel provides a comprehensive turnkey program including advanced educational materials, seminars, videos, protocols, and profit increasing marketing materials.
- MJD Patient Communications**.....300,302  
4915 St. Elmo Avenue, Suite 306  
Bethesda, MD 20814  
Let the quality of MJD's "patient friendly"™ products represent the quality of your practice. Increase consults and procedures by displaying our **Procedure Brochures & Slide Shows** in your waiting room, send our custom **Newsletter/Postcards** to patients at home, play **Medical Messages-On-Hold™** for patients on hold, and **license content** for your website.
- Nextech, Inc.**.....105  
2717 Miamisburg-Centerville Road  
Dayton, OH 45459  
Practice 2002 is a fully integrated practice management and marketing software designed from the ground up for plastic surgeons. Using advice and ideas from plastic surgeons, Practice 2002 has become a comprehensive modular software for patient and prospect tracking, scheduling, billing, financial reporting, marketing, forms, generation inventory and operating room control.
- Nidek, Inc.**.....605  
47651 Westinghouse Drive  
Fremont, CA 94539  
Nidek is the innovative worldwide leader in ophthalmic and surgical lasers. In the aesthetic laser market, Nidek delivers quality performance with the UniPulse™ CO<sub>2</sub> surgical laser system and the 800nm Epistar™ high powered, long pulsed diode delivering 400J/cm<sup>2</sup> for optimal performance; approved for vascular lesions and hair removal.
- Norseld Pty. Ltd.**.....702  
9 Claxton Street  
Adelaide 5000, S. Australia  
The dual yellow laser is the total skin rejuvenation laser for all vascular and pigmented lesions. Norseld is seeking further distributors for the laser system.
- Oculo-Plastik, Inc.**.....600  
200 Sauve West  
Montreal QC, H3L 1Y9, Canada  
Oculo-Plastik, the source for quality laser ocular protection and more, around the world. Oculo-Plastik (LaserSecure) offers a unique line of laser ocular protective shields (Cox II and Cox II H

# COMMERCIAL EXHIBITS

with offset handle), external shield (Durette II in 2 sizes and styles) and instruments (Sutcliffe lid and dental laser shields, the Khan-Jeager lidplate, David-Baker lid clamps, Desmarres retractors, etc.) for all lasers including laser skin resurfacing, blepharoplasty and hair removal; and for IPL systems. Also autoclavable black and yellow transparent plastic ocular shields not for laser and the new OPSOFT mouth guard for hair removal with laser and IPL systems.

**Palomar Medical Technologies.....501,503**  
82 Cambridge Street  
Burlington, MA 01803

Palomar Medical Technologies, Inc. produces the world's most advanced laser and pulsed light systems for cosmetic applications such as permanent hair reduction, acne, tattoo, pigmented lesion removal, and vascular treatments. Used worldwide, Palomar's systems offer exceptional efficacy, affordability, ease of use, and patient comfort and safety.

**Physician's Choice of Arizona, Inc.....602**  
8501 N. Scottsdale Road, Suite 150  
Scottsdale, AZ 85253

Physician's Choice of Arizona, Inc., formulates innovative, scientifically advanced skin care products and treatments for any skin type. The company provides continuing education in skin biology and peel training and offers unparalleled customer service. PCA creates pH balanced products in an aloe vera base with a unique blend of AHA's.

**Plastic Surgery/MedAvenue.....416**  
802 North Euclid Avenue  
Ontario, CA 91762

MedAvenue is the Internet's most popular, longest running and most acclaimed elective health care website. The company's business strategy allows prospective elective health care patients to research various procedures and health care professionals in complete privacy, while offering health care providers a unique and extremely effective continuum of full-service Internet marketing products and services.

**ProCyt Corporation.....508**  
8511 154th Avenue NE  
Redmond, WA 98052

Neova® Anti-Aging Therapies with patented GHK Copper Peptide Complex™, provide vital copper nutrition to the skin. Research studies support the positive effects of copper in healing and anti-aging skin health. Ti-Silc® SPF 45 Advanced Sun Protection is elegant and effective. ProCyt's therapeutic skin care also includes glycolics and prescription/OTC topicals.

**Quantel Medical.....405**  
21 Rue Newton, ZJ Le Brezet  
Clermont Ferrand, France 63039

Quantel Medical, specialists in laser technology, will be displaying its dermatology range, which includes a KTP laser for vascular lesions (VIRIDIS DERMA™), a long pulse Nd: YAG for

hair removal and leg veins (ATHOS™) and a non ablative remodeling system (ARAMIS™). Visit booth 405 or contact us on [biovisio@quantel-medical.fr](mailto:biovisio@quantel-medical.fr).

**Radiancy, Inc.....314,316**  
40 Ramland Road South, Suite 10  
Orangeburg, NY 10962

Radiancy develops medical & aesthetic systems for photoepilation, acne, phototherapy, and photorejuvenation, employing its patented light and heat energy technology. LHE allows SkinStation, Radiancy's leading device to be effective, compact and portable.

**SSI Laser Engineering, Inc.....910**  
200 River Hills Drive  
Nashville, TN 37210

Laser Engineering, Inc. a division of SSI is introducing the Ultra MD Super Pulse CO<sub>2</sub> laser with 30 watts of char free super pulse, new touch screen control panel and remote Internet diagnostics. SSI has multi-specialty laser for application in all surgical specialties.

**Sciton, Inc.....200,202,204**  
845 Commercial Street  
Palo Alto, CA 94303

Sciton, Inc. develops modular, multipurpose devices for aesthetic medicine. One product, Sciton's Profile, includes up to four proven laser wavelengths useful for light, medium or deep skin peels, high-speed computer-controlled hair reduction, nonablative skin therapy and photorejuvenation, removing leg or facial veins, telangiectasia, vascular lesions, flushing and superficial pigmented lesions.

**Skin & Aging Magazine/HMP Communications.....206**  
83 General Warren Boulevard, Suite 100  
Malvern, PA 19355

Skin & Aging is published monthly for dermatologists. We will have on display free sample magazines and special supplement issues.

**SkinMedica.....205**  
5909 Sea Lion Place  
Carlsbad, CA 92009

SkinMedica features a full line of cosmeceutical products marketed to physicians. The lead product, TNS recovery complex, is a tissue rejuvenating complex containing human growth factors found in healthy skin. SkinMedica recently launched TNS body lotion, the first lotion with NouriCel-MD, the same rejuvenating benefits of TNS for the face.

**Smooth-Bor Plastics.....103**  
23322 Del Lago Drive  
Laguna Hills, CA 92653

Smooth-Bor Plastics is a manufacturer of both disposable and reusable corrugated medical tubing from 10mm to 50mm

# COMMERCIAL EXHIBITS

diameter. Our tubing is used on applications such as laser smoke evacuation, respirators, ventilators, humidifiers and also CPAP equipment. The interior as the name implies, is near smooth, which allows for maximum flow with no accumulation of moisture or waste.

## **Snowden Pencer.....417**

5175 South Royal Atlanta Drive  
Tucker, GA 30084

Snowden Pencer is the manufacturer of the highest quality instrumentation for plastic surgery, including general plastic instruments and endoscopic instrumentation and video technology. Snowden Pencer also specializes in a full line of suture products, the Spacemaker® balloon dissector, compression garments, the Exonix™ external ultrasound and the Diamond Lock™ skin stapler.

## **SPIE.....Tabletop**

P.O. Box 10  
Bellingham, WA 98225

SPIE - The International Society for Optical Engineering is a nonprofit organization dedicated to advancing scientific research and engineering applications of optical, photonic imaging and optoelectronic technologies through its meetings, educational programs, publications and exhibitions.

## **Surgimedics.....210**

2950 Mechanic Street  
Lake City, PA 16423

Surgimedics is increasing the safety of the healthcare workplace with cost-effective, efficient smoke removal and decontamination. Surgimedics offers the plume-inator, the surgifresh mini and the purevac to health care professionals to allow protection against hazardous smoke plume by reducing particulates, microorganisms and colors. Choose Surgimedics, we are clearing the air for safer surgery.

## **Swiss-American Products, Inc.....113**

4641 Nall Road  
Dallas, TX 75244-4618

Swiss-American Products, Inc. manufactures and markets the Elta® line of products for skin care and wound healing. Areas of emphasis include: prevention (sun block with micronized zinc, (z-cote®), healing (laser resurfacing and dry cracked skin and chronic wounds and maintenance treatment (sensitivity-free cleanser, skin lightener and glycolic).

## **Syneron, Inc.....Island 619**

100 West Beaver Creek Road, Unit 6  
Richmond Hill, ON L4B 1HZ, Canada

Syneron develops, manufactures and markets advanced equipment solutions for a wide array of medical aesthetic applications. ELOS™ (electro-optical synergy) technology is exclusively utilized to maximize the synergy of combining optical and electrical energies that enable clinical professionals to offer new and improved services to a broad range of patients.

## **Syris Scientific.....101**

22 Shaker Road  
Gray, ME 04039

Syris Scientific provides patented cross-polarization and magnification to allow the user to see beneath the skin surface, providing excellent visualization of telangiectasia, pigmented lesions, and other sub-surface conditions, even with laser goggles.

## **Telsar Laboratories, Inc.....607**

1 Enviroway, Suite 100  
Wood River, IL 62095

When cost savings and outsourcing are driving the bottom line, consider the nations largest provider of high-tech, cost-efficient, on-site service. Service oriented, extensively trained personnel and over ten year's experience serving the medical communities are only a few of the characteristics that make Telsar the cost-effective alternative to manufacturer service. Telsar is committed to providing expert laser service. To reach this goal, we are continually challenging our service engineers through extensive training programs and providing them with the most modern diagnostic equipment available. Telsar's experience and responsible service has gained us customer loyalty and confidence.

## **The Medical Book Store (Previously Eastern Medical Publishers).....214**

P.O. Box 23  
Pocopson, PA 19366

The Medical Book Store offers up-to-date clinical reference publications of books, journals and CD-ROMS published by a broad range of medical publishers.

### SILVER SPONSOR

#### **Thermage.....Island 301**

4058 Point Eden Way  
Hayward, CA 94545

Thermage is exhibiting the ThermoCool TC™ System, the only non-ablative technology that tightens tissue. The ThermoCool TC System is FDA cleared for the non-invasive treatment of periorbital wrinkles and rhytids. It uses an advanced form of radio frequency to volumetrically heat and tighten tissue, while protecting the epidermis with cryogen contact cooling.

## **Thor Laser, Inc.....212**

188 Sherwood Drive  
Waynesboro, VA 22980

Laser therapy, LLLT, laser biostimulation, Thor is one of the leading producers of laser therapy equipment. Come by and see our top of the line therapy lasers and LED's.

# **COMMERCIAL EXHIBITS**

**Transdermatech, Inc.....514**

1649 McFarland Boulevard, Suite 202

Tuscaloosa, AL 35401

Instacaine - A new patent pending OTC topical anesthetic and pain-relieving spray has been successful at Cassaway Laser Center on over 1,500 patients over the past two years. Spray on intended area; ready for procedure in five minutes.

**W.B. Saunders/Mosby/Churchill.....410**

1409 Solvay Aisle

Irvine, CA 92606

W.B. Saunders is the world's largest publisher of medical books and journals featuring many new titles in dermatology and cosmetic surgery.

**Zimmer Elektromedizin.....201**

25 Mauchly, Suite 300

Irvine, CA 92618

Zimmer Elektromedizin is the manufacturer of the Cryo 5 cold wind device. The Cryo 5 creates a stream of cold air at - 30C. Cold air has been shown to reduce patient discomfort associated with superficial laser procedures. It also enhances comfort during injections and chemical peels.

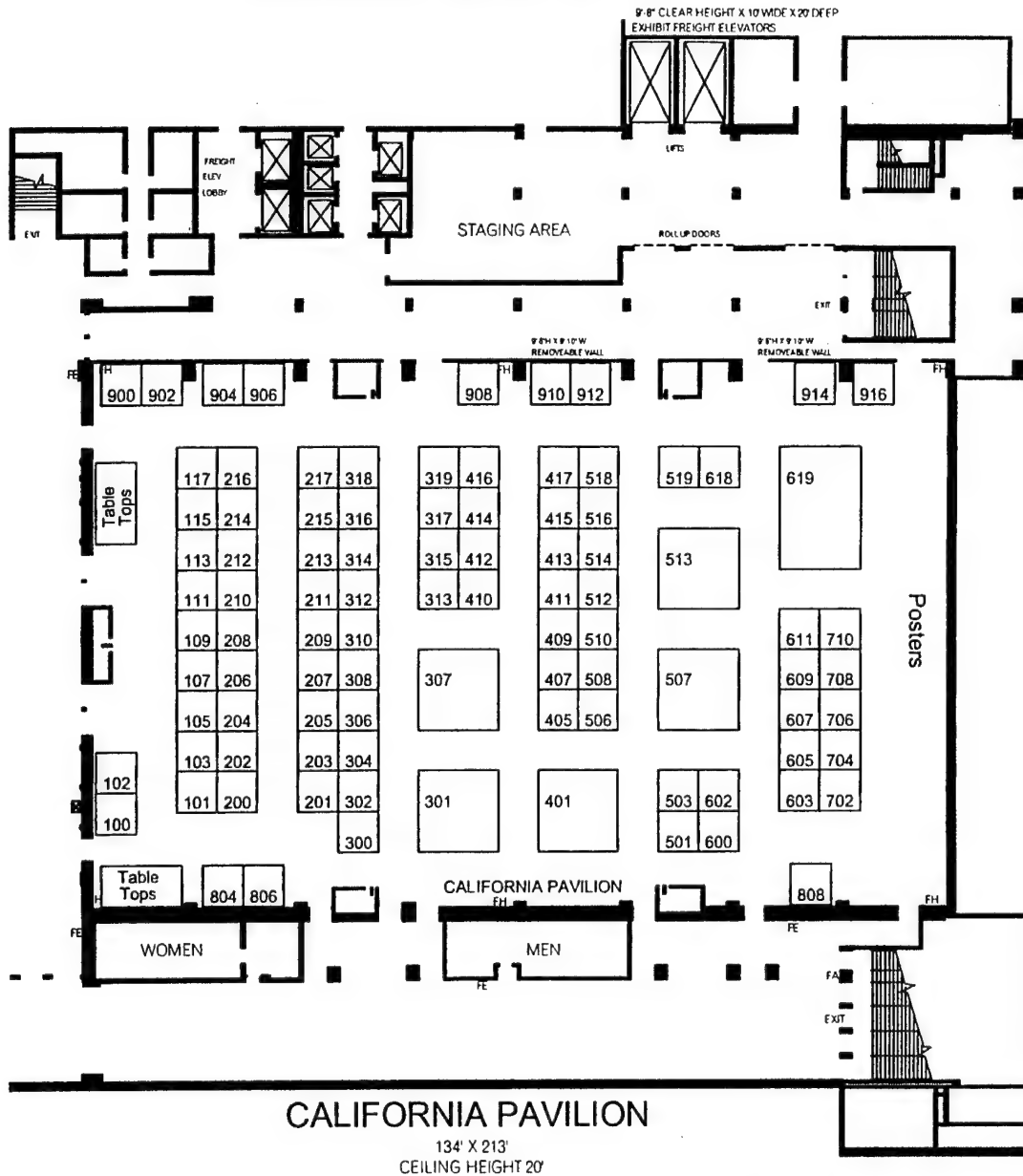
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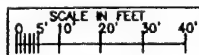
# American Society For Laser Medicine & Surgery

## April 11-13, 2003

### Anaheim Hilton and Towers



CURRENT PLAN AS OF 3/5/03



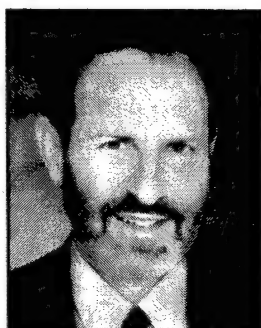
# AGS-Expo

440 w. Grant Street  
Orlando, FL 32806  
407/292-6162  
407/292-4414  
[www.agsexpo.com](http://www.agsexpo.com)

# LEON GOLDMAN MEMORIAL AWARD

Friday, April 11, 2003  
10:35 a.m. - 11:05 a.m.  
Pacific Ballroom C

The Leon Goldman Memorial Award was established in 1998 to recognize the many contributions in the areas of clinical laser research, laser patient care, and medical laser education of Leon Goldman, M.D., the "Father of Laser Medicine." The plenary session speaker must be a practicing physician who has demonstrated longitudinal excellence throughout their career in performing clinical laser research, providing high quality laser services to patients or educating others in medical laser applications. The individual must also share the characteristics of honesty, high ethical standards and a dedication to patients that were possessed by its namesake.



**2003 Leon Goldman Memorial Award  
is presented to:**

**Kenneth A. Arndt, M.D.**  
**SkinCare Physicians of Chestnut Hill, Chestnut Hill, MA**

Dr. Kenneth A. Arndt is a founding member of ASLMS and has been involved in the evolution in lasers in medicine and dermatology. He is a director of SkinCare Physicians of Chestnut Hill, MA; clinical professor of dermatology, section of dermatologic surgery and cutaneous oncology, Yale University School of Medicine; adjunct professor of medicine (dermatology), Dartmouth Medical School; and clinical professor of dermatology, Harvard Medical School. Dr. Arndt is co-editor of the first book written about lasers and the skin, *Cutaneous Laser Therapy, Principles and Methods* (1983), and subsequently been co-author or co-editor of the books *Illustrated Cutaneous Laser Surgery* (1990), *Lasers in Cutaneous and Aesthetic Surgery* (1997), *Illustrated Cutaneous and Aesthetic Laser Surgery* (2000) and *Atlas of Cutaneous Surgery* (2002). He is the author of six editions of the *Manual of Dermatologic Therapeutics* with 6 foreign language editions, editor or co-editor of 14 other books, and author or co-author of 260 articles. Dr. Arndt is the editor of the *Archives of Dermatology* and co-editor of *Seminars in Cutaneous Medicine and Surgery*. He served as co-editor and is now on the editorial board of *Lasers in Surgery and Medicine* and is an editorial board member of *JAMA*, the *Journal of European Society of Dermatology and Venereology*, *Harvard Medical School Health Letter*, and the *Journal of Cosmetic and Cutaneous Laser Therapy*. He was elected to the ASLMS board of directors and served on the ethics, membership, standards of training, publications, nominating and constitution and bylaws committees. He was program director of the dermatology/plastic surgery section in 1984, and served as co-director in 1995 and 2000. Dr. Arndt was the 1986-87 president of the American Society for Laser Medicine and Surgery. He received the William B. Mark Award in 1996 and a Presidential Citation in 2000.

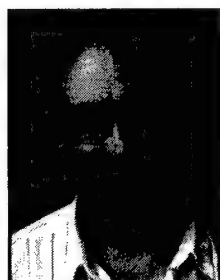
## **Distinguished Recipients (to date)**

1999	David J. Goldberg	Westwood, NJ
2000	Jeffrey S. Dover	Chestnut Hill, MA
2001	Tina S. Alster	Washington, DC
2002	R. Rox Anderson	Boston, MA

# WILLIAM B. MARK MEMORIAL AWARD

**Friday, April 11, 2003  
11:05 a.m. - 11:25 a.m.  
Pacific Ballroom C**

William B. Mark was a design engineer who became involved with the utilization of lasers in medicine during the mid 1970's. After attending the Second International Medical Laser Congress in Detroit, he began working to establish an organization covering all medical specialties, an organization to allow and encourage physicians and scientists to exchange knowledge, explore uses of present equipment, and generate new medical lasers and accessories. At the Society's Annual Meeting, the William B. Mark Memorial Award is presented to a member selected for outstanding contributions to laser technology.



**2003 Leon Goldman Memorial Award  
is presented to:**

***Martin J.C. van Gemert, Ph.D.*  
Laser Center, Academic Medical Center, Amsterdam,  
The Netherlands**

Dr. Martin J.C. van Gemert has served as professor in the medical use of laser physics at the Academic Medical Center, University of Amsterdam, The Netherlands since 1990. His M.S. degree in physics was obtained at Delft University of Technology, and his Ph.D at Leiden University, The Netherlands. After six years of research in gaseous electronics at the Philips Research Laboratories, Eindhoven, he became a clinical physicist at the Saint Joseph Hospital, Eindhoven in 1978. His research was on clinical laser applications, including portwine stain treatment, and laser tissue interactions, vascular surgery and access surgery for hemodialysis. In 1994-1995, a sabbatical year was spend with professor A.J. Welch, at the biomedical engineering department, University of Texas at Austin, with whom he edited the book *Optical-Thermal Response of Laser Irradiated Tissue*, Plenum Press, New York, 1995. In 1987 he joined the Academic Medical Center, Amsterdam, as director of the Laser Center, a research group investigating clinical laser applications. His second sabbatical year, in 1996-1997, was at the Beckman Laser Institute and Medical Clinic, working on laser treatment of portwine stains in the group with Dr. J. Stuart Nelson. He is co-founder of the Netherlands Medical Laser Association, and one of the editors-in-chief of *Lasers in Medical Science*. His current research interest is monochorionic twin pregnancies developing the twin-twin transfusion syndrome.

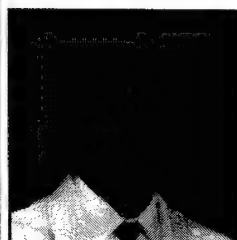
## **Distinguished Recipients (to date)**

1982	Leon Goldman	(deceased)	1992	Robert H. Ossoff	Nashville, TN
1983	Thomas J. Dougherty	Buffalo, NY	1993	James S. McCaughan Jr.	Columbus, OH
1984	Geza J. Jako	Melrose, MA	1994	Marvin P. Fried	Bronx, NY
1985	Joseph H. Bellina	New Orleans, LA	1995	Ronald G. Wheeland	Santa Fe, NM
1986	Francis A. L'Esperance Jr.	New York, NY	1996	Kenneth A. Arndt	Boston, MA
1987	Leonard J. Cerullo	Chicago, IL	1997	R. Rox Anderson	Boston, MA
1988	John A. Dixon	(deceased)	1998	George S. Abela	East Lansing, MI
1989	Myron L. Wolbarsht	Durham, NC	1999	Richard O. Gregory	Celebration, FL
1990	Michael W. Berns	Irvine, CA	2000	Isaac Kaplan	Savyon, Israel
1991	John A. Parrish	Boston, MA	2001	Raymond J. Lanza fame	Rochester, NY
			2002	Ashley J. Welch	Austin, TX

# ELLET H. DRAKE LECTURESHIP AWARD

Friday, April 11, 2003  
11:25 a.m. - 11:45 a.m.  
Pacific Ballroom C

The Ellet H. Drake Lectureship Award was established in 1995 to recognize a plenary session speaker who has made distinguished contributions to applications of lasers for science, industry, or education. The plenary session speaker must be a practicing physician with at least five years of practice; contributed to innovative laser procedures and/or laser products for medicine; made contributions to literature and/or has demonstrated excellence in teaching on a regional or greater level substantiating their laser activity during their career.



**2003 Ellet H. Drake Lectureship Award  
is presented to:**

**Robert A. Weiss, M.D.**

**John Hopkins University School of Medicine, Hunt Valley, MD**

Dr. Robert A. Weiss developed an interest in medical research while an undergraduate at Columbia University, and he graduated cum laude in 1974. Dr. Weiss received his medical degree from Johns Hopkins University School of Medicine in 1978. Following a one year internal medicine internship, Dr. Weiss pursued a career in diagnostic radiology serving as a fellow at the Johns Hopkins University School of Medicine. Dr. Weiss then completed a dermatology residency in 1983 at the Johns Hopkins University School of Medicine. Continuing interest in research led to a fellowship at the National Institutes of Health under the guidance of Dr. Thomas Lawley. In 1986, Dr. Weiss was promoted to assistant professor of dermatology at Johns Hopkins. Dr. Weiss' interest and teaching activity in venous disease and dermatologic surgery led to his election to the board of directors and ultimately president of the American College of Phlebology (formerly North American Society of Phlebology). He now serves as the treasurer for the American Society for Dermatologic Surgery. He is also a member of the board of directors of the International Society for Dermatologic Surgery. The Maryland Laser, Skin, and Vein Center is where Dr. Weiss practices and where numerous clinical trials on new laser and other devices are conducted. Dr. Weiss was board certified as a diplomat of the American Board of Dermatology in 1983, is a fellow of the American Society for Dermatologic Surgery, The American Academy of Dermatology, and member of the American Academy of Cosmetic Surgery, and the American Society for Laser Medicine and Surgery. He has also served on the board of directors of the American Society for Dermatologic Surgery and numerous committees of the ASDS, AAD, and ASLMS. From 1993 until recently, Dr. Weiss served as associate editor or contributing editor for *Dermatologic Surgery*. Dr. Weiss is the author of over 80 publications, including a dozen textbook chapters. The Weiss' newest textbook was just released titled, *Vein Diagnosis and Treatment: A Comprehensive Approach* (McGraw-Hill, 2001). Dr. Weiss' present research consists of evaluation of various sclerosing solutions for the treatment of varicose and telangiectatic leg veins, new devices for better evaluation of leg vein function, the development of new laser and pulsed light sources for the treatment of vascular lesions, and hair removal and ablative and non-ablative resurfacing.

## Distinguished Recipients (to date)

1995	John A. Parrish	Boston, MA	1999	Raymond J. Lanza fame	Rochester, NY
1996	R. Rox Anderson	Boston, MA	2000	George S. Abela	East Lansing, MI
1997	David B. Apfelberg	Atherton, CA	2001	Roy G. Geronemus	New York, NY
1998	Ronald G. Wheeland	Santa Fe, NM	2002	Jerome M. Garden	Chicago, IL

# NURSING/ALLIED HEALTH EXCELLENCE AWARD

**Saturday, April 12, 2003**

**10:40 a.m. - 10:55 a.m.**

**Pacific Ballroom C**

The American Society for Laser Medicine and Surgery, Inc. Award for Excellence in Laser Nursing/Allied Health was established in 1991 to recognize outstanding nursing/allied health contributions to ASLMS and the advancement of joint practice in laser medicine and surgery. As an active member of ASLMS, the recipient of this award has promoted laser nursing in medicine through demonstrated expertise, consistent professional conduct, and exceptional standards of practice in nursing.



## **2003 Excellence in Nursing/Allied Health Award is presented to:**

***Donna C. Gabriel, L.P.N.***

**Boston Dermatology & Laser Center, Boston, MA**

Ms. Donata Gabriel is a nurse coordinator at Boston Dermatology and Laser, Boston, Massachusetts. She is responsible for the education of the staff and laser patients and also functions as the laser safety officer and infection control trainer. She has participated in many laser training seminars and clinical laser research studies, which included chairperson for the national Dermatology Nurses Association convention. She has been a speaker at laser courses both nationally and internationally and has published articles in several peer review journals. Before her laser career, Ms. Gabriel was a member of the intensive care unit and emergency room staff at south Shore Hospital in Weymouth, Massachusetts and Colonial Hospital in Florence, Alabama. Ms. Gabriel is a member of the American Society for Laser Medicine and Surgery, Inc. (ASLMS), where she is a member of the board of directors. She is a member of the Dermatology Nurses' Association (DNA) and past president for the Massachusetts Chapter for the DNA. Ms. Gabriel is the chair of the American National Standards (ANSI-136.2) committee for the DNA, and on the subcommittee for ANSI Z136.3 for Lasers in Health Care Facilities. Ms. Gabriel has been chairperson of many national laser workshops. Ms. Gabriel is also president of Gabriel Consultants, Hingham, Massachusetts. Together with her husband Gene, they enjoy golf, biking and travel. But above all, they have two perfect grandchildren, Jonathan (Cha-Chi) age 12 and Jenna Marie (Jewel) age 9.

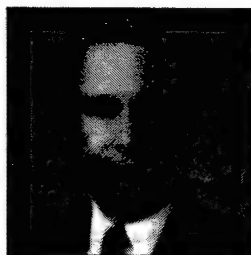
### **Distinguished Recipients (to date)**

1991	Sue E. Huether	Sandy, UT
1992	Carolyn J. Mackety	Holland, MI
1993	Penny J. Smalley	Chicago, IL
1994	Patricia A. Hartwig	Minneapolis, MN
1995	Mary A. Cayton	Milwaukee, WI
1996	Vangie Paschall-Dennis	Lawrenceville, GA
1997	Patricia L. Durgin	West Columbia, SC
1998	Kay A. Ball	Lewis Center, OH
1999	Patricia A. Owens	Olympia, WA
2000	Dale P. Goodwin	Rochester, NY
2001	Susan L. Olson	Minneapolis, MN
2002	Mary Flor	Edina, MN

# PRESIDENTIAL CITATIONS

For the 2003 ASLMS Annual Meeting, the following individuals are being recognized for their exceptional contributions to the American Society for Laser Medicine and Surgery and to the field of laser medicine. Presidential Citations are scheduled on Saturday, April 12, 2003 from 10:30 a.m. - 10:40 a.m. in the Pacific Ballroom C.

## 2003 Presidential Citations are presented to:



**Robert H. Ossoff, D.M.D.,  
M.D.**

**Vanderbilt University,  
Nashville, TN**

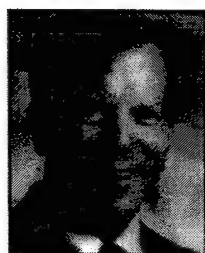
In recognition and acknowledgement of his many years of service and continuing dedication to the American Society for Laser Medicine and Surgery as Editor-in-Chief of *Lasers in Surgery and Medicine*.



**Ronald G. Wheeland, M.D.**

**Laser & Skin Surgery Center  
of Santa Fe, Santa Fe, NM**

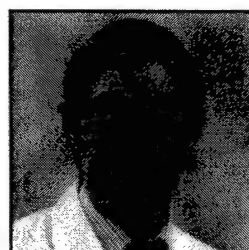
In recognition and acknowledgement of his many years of service and his never ending dedication to the American Society for Laser Medicine and Surgery.



**Richard E. Fitzpatrick, M.D.**

**Dermatology Associates of San  
Diego County, Encinitas, CA**

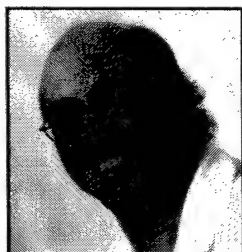
In recognition and acknowledgement of his insightfulness and dedication to advancing the strategic goals of the American Society for Laser Medicine and Surgery.



**R. Rox Anderson, M.D.**

**Massachusetts General  
Hospital, Boston, MA**

In recognition and acknowledgement of his continuing insightfulness and leadership in the field of laser medicine and surgery.



**David J. Goldberg, M.D., J.D.**

**Skin Laser & Surgery Center  
of New York/New Jersey,  
Westwood, NJ**

In recognition and acknowledgement of his many years of service and continuing dedication to serving the American Society for Laser Medicine and Surgery as Legal Advisor.

# **BEST AWARDS**

The following individuals will be presented with an award during the Presidential Citations on Saturday, April 12, 2003 from 10:30 a.m. - 10:40 a.m. in the Pacific Ballroom C. Awards are based on abstract quality and determined by the Scientific Program Committee.

## **BEST STUDENT/RESIDENT AWARDS**

### **BASIC SCIENCE**

**Recipient:** Chris Rylander  
**Location:** University of Texas Medical Branch,  
Galveston, TX  
**Abstract Title:** Spatial Refractive Index Determination  
of Single Cells Using Differential  
Phase Optical Low Coherence  
Reflectometry  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D -  
4:15 p.m.

### **DENTISTRY / O&M**

**Recipient:** Ali Obeidi  
**Location:** Beheshti Medical University, Tehran,  
Iran  
**Abstract Title:** The Effects of Ga.Al.Ar Diode Laser  
on Extraction Wound Healing  
**Presentation Date:** April 12, 2003 - Avila AB - 3:15 p.m.

### **DERMATOLOGY/PLASTIC SURGERY**

**Recipient:** Nathan S. Uebelhoer  
**Location:** Naval Medical Center San Diego, San  
Diego, CA  
**Abstract Title:** Laser Treatment of Facial Acne With a  
1450nm Diode Laser  
**Presentation Date:** April 12, 2003 - Pacific Ballroom C -  
3:27 p.m.

### **PHOTOBIMODULATION**

**Recipient:** Doroty Dourado  
**Location:** Unicamp, Campinas, SP, Brazil  
**Abstract Title:** The Effects of the Laser Arsenieto of  
Galio (AS-GA) on Damaged Muscle  
Caused by Bothrops Moojeni Snake  
Venom  
**Presentation Date:** April 11, 2003 - Laguna AB - 4:10 p.m.

### **SURGICAL APPLICATIONS**

**Recipient:** Nidhi Pandhoh  
**Location:** Beckman Laser Institute and Medical  
Clinic, University of California-Irvine,  
Irvine, CA  
**Abstract Title:** Identification of Chondrocyte  
Proliferation With the Fluorescent  
Activating Cell Sorter Following Laser  
Irradiation and Thermal and  
Mechanical Treatments  
**Presentation Date:** April 11, 2003 - Pacific Ballroom B -  
2:00 p.m.

## **BEST BASIC SCIENCE AWARD**

**Recipient:** Taner Akkin  
**Co-Authors:** Digant P. Dave, H. Grady Rylander III,  
Thomas E. Milner  
**Location:** University of Texas at Austin, Austin, TX  
**Abstract Title:** Surface Analysis Using Phase Sensitive  
Optical Low Coherence Reflectometry

**Presentation scheduled on Friday, April 11, 2003**  
**Pacific Ballroom D**  
**3:30 p.m.**

\* \* \* \* \*

## **BEST CLINICAL SCIENCE AWARD**

**Recipient:** Richard E. Fitzpatrick, M.D.  
**Co-Authors:** Roy Geronemus, David J. Goldberg, Michael  
Kaminer, Suzanne L. Kilmer, Javier Ruiz-  
Esparza  
**Location:** Dermatology Associates and Cosmetic  
LaseR Associates of San Diego County, San  
Diego, CA  
**Abstract Title:** First Multi-Center Study of a New  
Non-Ablative Radiofrequency Device  
to Tighten Facial Tissue

**Presentation scheduled on Sunday, April 13, 2003**  
**Pacific Ballroom C**  
**10:42 a.m.**

# 2003 TRAVEL GRANT RECIPIENTS

The ASLMS annually sponsors a limited number of undergraduates, graduate students, medical students, and others working towards degrees in relevant fields of medicine, science, engineering and nursing to attend the ASLMS Annual Meeting. The following individuals are recipients of 2003 ASLMS Travel Grants. Congratulations!

**Recipient:** C.W. David Chang  
**Location:** Vanderbilt University, Nashville, TN  
**Abstract Title:** Epidermal Protection Using Cold Air vs Chilled Sapphire Window During Laser Application  
**Presentation Date:** April 13, 2003 - Pacific Ballroom C - 8:46 a.m.

**Recipient:** Te-Shao Jeff Hsu  
**Location:** SkinCare Physicians of Chestnut Hill, Chestnut Hill, MA  
**Abstract Title:** A Multi-Centre Study Into the Safety and Efficacy of a 585nm Flashlamp Pulsed Dye Laser for the Non-Ablative Treatment of Facial Rhytides  
**Presentation Date:** April 11, 2003 - Pacific Ballroom C - 2:14 p.m.

**Recipient:** Misbah Huzaira  
**Location:** Wellman Laboratories of Photomedicine, Massachusetts General Hospital, Boston, MA  
**Abstract Title:** Intradermal Focusing of Near-Infrared Optical Pulses: A New Approach for Non-Ablative Laser Therapy  
**Presentation Date:** April 11, 2003 - Pacific Ballroom C - 2:20 p.m.

**Recipient:** Goldwyn Jequinto  
**Location:** University of California-Irvine, Beckman Laser Institute and Medical Clinic, Irvine, CA  
**Abstract Title:** Optical Sensor for Non-Invasive Photodynamic Detection of Oral Cancer  
**Presentation Date:** April 12, 2003 - Avila AB - 2:30 p.m.

**Recipient:** Marcos Magar  
**Location:** University of California-Irvine, Beckman Laser Institute and Medical Clinic, Irvine, CA  
**Abstract Title:** Spectrographic Characteristic of Oral Tissue  
**Presentation Date:** April 11-13, 2003 - Exhibit Hall

**Recipient:** Jesung Park  
**Location:** University of Texas at Austin, Austin, TX  
**Abstract Title:** Analysis of the Phase Retardation in the Retinal Nerve Fiber Layer of Cynomolus Monkey By Polarization Sensitive Optical Coherence Tomography  
**Presentation Date:** April 12, 2003 - Pacific Ballroom B - 1:30 p.m.

**Recipient:** Vivek Sivarajan  
**Location:** Canniesburn Plastic Surgery Unit, Glasgow, United Kingdom  
**Abstract Title:** The Depth Measuring Videomicroscopy: A Noninvasive Tool for the Assessment of Capillary Vascular Malformations  
**Presentation Date:** April 12, 2003 - Pacific Ballroom C - 1:27 p.m.

**Recipient:** Mei-Heng Tan  
**Location:** SkinCare Physicians of Chestnut Hill, Chestnut Hill, MA  
**Abstract Title:** Clinical Evaluation of Nonablative Skin Rejuvenation Using the 532nm and Combination 532nm & 1064nm Lasers  
**Presentation Date:** April 11-13, 2003 - Exhibit Hall

# **2003 TRAVEL GRANT RECIPIENTS**

**Recipient:** *Marjorie U. Yang*  
**Location:** Wellman Laboratories of Photomedicine, Massachusetts General Hospital, Harvard Medical School, Boston, MA  
**Abstract Title:** Long-Pulsed Nd:YAG Laser Treatment for Portwine Stains  
**Presentation Date:** April 12, 2003 - Pacific Ballroom C - 2:29 p.m.

## **JOHN A. DIXON TRAVEL GRANT**

**Recipient:** *Kimberly R. Byrnes*  
**Location:** Uniformed Services University of the Health Sciences, Bethesda, MD  
**Abstract Title:** Alteration in Gene Expression Following Spinal Cord Injury and Photobiomodulation  
**Presentation Date:** April 11, 2003 - Laguna AB - 2:20 p.m.

## **INTERNATIONAL TRAVEL GRANTS**

**Recipient:** *Rui Duan*  
**Location:** South China Normal University, Guangzhou, China  
**Abstract Title:** LED Irradiation Prevented the Amyloid Beta 25-35 Induced Apoptosis of Differentiated PC12 Cell in Vitro  
**Presentation Date:** April 11, 2003 - Laguna AB - 5:10 p.m.

**Recipient:** *Simone Laube*  
**Location:** Lasercare Centre, City Hospital, Birmingham, United Kingdom  
**Abstract Title:** Treatment of Resistant Portwine Stains With the V Beam Pulsed Dye Laser  
**Presentation Date:** April 12, 2003 - Pacific Ballroom C - 1:39 p.m.

# ANNUAL MEETING GRANT RECIPIENTS

The ASLMS would like to thank the Air Force Office of Scientific Research and the Whitaker Foundation for their financial support of graduate student and post-doctoral fellow attendance at the ASLMS 2003 Annual Meeting in Anaheim, California. Congratulations to the following grant recipients. In addition to an oral presentation, a poster will also be displayed. We have indicated by each abstract the time the presenter will be available at his/her poster in the Exhibit Hall on Saturday, April 12, 2003.

- Recipient:** *Taner Akkin*  
**Location:** University of Texas at Austin, Austin, TX  
**Abstract Title:** Surface Analysis Using Phase Sensitive Optical Low Coherence Reflectometry  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D - 3:30 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
- Recipient:** *Christian Baum*  
**Location:** University of Iowa Carver College of Medicine, Iowa City, IA  
**Abstract Title:** In Vitro Studies on the Effect of 585nm Pulsed Dye Laser on Normal Human Skin Fibroblasts and Tissue Engineered Dermal Equivalents  
**Presentation Date:** April 12, 2003 - Pacific Ballroom D - 3:15 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)
- Recipient:** *Matej Beltram*  
**Location:** University Eye Clinic Medical Centre, Ljubljana, Slovenia  
**Abstract Title:** In Situ Hybridization Analysis of Type 1 Collagen Gene Expression After Er:YAG Laser Skin Resurfacing  
**Presentation Date:** April 12, 2003 - Pacific Ballroom D - 2:45 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
- Recipient:** *YongSeok Chae*  
**Location:** Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA  
**Abstract Title:** Thermoviscoelastic Finite Element Simulation of Porcine Septal Cartilage in Uniaxial Tension and Unconfined Compression  
**Presentation Date:** April 12, 2003 - Pacific Ballroom D - 2:00 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)
- Recipient:** *Lynn Chiu*  
**Location:** Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA  
**Abstract Title:** Reduction of Superficial Thermal Injury Using Cryogen Cooling During Laser-Assisted Cartilage Reshaping of Rabbit Ears in Vivo: Pilot Study  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D - 1:45 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
- Recipient:** *Anna Clela Croce*  
**Location:** University of Pavia, Pavia, Italy  
**Abstract Title:** Autofluorescence Spectrofluorometry of Central Nervous System Neuromediators  
**Presentation Date:** April 13, 2003 - Pacific Ballroom AB - 8:15 a.m. (Poster - 6:00 p.m. - 7:00 p.m.)
- Recipient:** *Tianhong Dai*  
**Location:** Rice University, Houston, TX  
**Abstract Title:** Thermal Response of Human Skin Epidermis to 595nm Laser Irradiation and Cryogen Spray Cooling: An In Vivo Study  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D - 1:30 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
- Recipient:** *Kun Chen*  
**Location:** Northwestern University, Evanston, IL  
**Abstract Title:** Detection of Nano-Sphere Sizes Using UV Light Scattering Spectroscopy Beyond the Diffraction Limit  
**Presentation Date:** April 13, 2003 - Pacific Ballroom AB - 11:00 a.m. (Poster - 6:00 p.m. - 7:00 p.m.)
- Recipient:** *Erin M. Gill*  
**Location:** University of Wisconsin, Madison, WI  
**Abstract Title:** Collagen Autofluorescence of the Human Cervix and Menopausal Status  
**Presentation Date:** April 13, 2003 - Pacific Ballroom D - 9:00 a.m. (Poster - 5:00 p.m. - 6:00 p.m.)
- Recipient:** *Lars Hode*  
**Location:** Swedish Laser-Medical Society, Stockholm, Sweden  
**Abstract Title:** Are Lasers More Dangerous Than IPL Instruments?  
**Presentation Date:** April 12, 2003 - Pacific Ballroom D - 1:30 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)

# ANNUAL MEETING GRANT RECIPIENTS

<b>Recipient:</b>	<i>Byungjo Jung</i>
<b>Location:</b>	Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA
<b>Abstract Title:</b>	Objective Assessment of Portwine Stain Using Digital Imaging System and Color Analysis Method
<b>Presentation Date:</b>	April 13, 2003 - Pacific Ballroom AB - 10:00 a.m. (Poster - 5:00 p.m. - 6:00 p.m.)
<b>Recipient:</b>	<i>Nate Kemp</i>
<b>Location:</b>	University of Texas at Austin, Austin, TX
<b>Abstract Title:</b>	Calibration of a Polarization Sensitive Optical Coherence Tomography System for Measurement of Retardance and Optical Axis
<b>Presentation Date:</b>	April 13, 2003 - Pacific Ballroom AB - 10:30 a.m. (Poster - 5:00 p.m. - 6:00 p.m.)
<b>Recipient:</b>	<i>JeeHyun Kim</i>
<b>Location:</b>	University of Texas at Austin, Austin, TX
<b>Abstract Title:</b>	OCT A-Scan Study to Determine the Concentration of Elastin Layers in Porcine Arteries
<b>Presentation Date:</b>	April 11, 2003 - Pacific Ballroom B - 1:02 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)
<b>Recipient:</b>	<i>Young L. Kim</i>
<b>Location:</b>	Northwestern University, Evanston, IL
<b>Abstract Title:</b>	Detection of the Initial Stages of Colorectal Carcinogenesis Using Polarization Light Scattering Spectroscopy With Multivariate Statistical Analysis
<b>Presentation Date:</b>	April 11, 2003 - Pacific Ballroom D - 3:45 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
<b>Recipient:</b>	<i>David Kist</i>
<b>Location:</b>	University of Minnesota, Minneapolis, MN
<b>Abstract Title:</b>	Effects of Markers of Apoptosis After Intense Pulsed Light Treatment of Photodamaged Skin
<b>Presentation Date:</b>	April 12, 2003 - Pacific Ballroom D - 3:45 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)
<b>Recipient:</b>	<i>Ho Lee</i>
<b>Location:</b>	University of Texas at Austin, Austin, TX
<b>Abstract Title:</b>	Feasibility Study of Er:YAG Lithotripsy
<b>Presentation Date:</b>	April 13, 2003 - Pacific Ballroom AB - 9:15 a.m. (Poster - 5:00 p.m. - 6:00 p.m.)
<b>Recipient:</b>	<i>Yang Liu</i>
<b>Location:</b>	University of Chicago, Evanston, IL
<b>Abstract Title:</b>	Characterization of Increased Mucosal Blood Flow as an Early Marker of Colon Carcinogenesis Using Polarization Light Scattering Spectroscopy
<b>Presentation Date:</b>	April 13, 2003 - Pacific Ballroom AB - 10:15 a.m. (Poster - 6:00 p.m. - 7:00 p.m.)
<b>Recipient:</b>	<i>Zhihong Pan</i>
<b>Location:</b>	Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA
<b>Abstract Title:</b>	Quantitative Analysis of Chromophore Responses to Dermatological Laser Treatments Using Near-Infrared Reflectance Hyperspectral Imaging
<b>Presentation Date:</b>	April 13, 2003 - Pacific Ballroom AB - 10:45 a.m. (Poster - 6:00 p.m. - 7:00 p.m.)
<b>Recipient:</b>	<i>Brian M. Pikkula</i>
<b>Location:</b>	Rice University, Houston, TX
<b>Abstract Title:</b>	Cryogen Spray Cooling: Influence of Droplet Velocity on Epidermal Protection in Vivo
<b>Presentation Date:</b>	April 11, 2003 - Pacific Ballroom D - 1:15 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
<b>Recipient:</b>	<i>Dmitriy Protsenko</i>
<b>Location:</b>	Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA
<b>Abstract Title:</b>	Optical Response to Stress Relaxation in Porcine Septal Cartilage During DC Electroforming
<b>Presentation Date:</b>	April 12, 2003 - Pacific Ballroom D - 2:15 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)
<b>Recipient:</b>	<i>Bin Rao</i>
<b>Location:</b>	Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA
<b>Abstract Title:</b>	In Vitro Optical Coherence Tomography of Clear Corneal Cataract Incisions
<b>Presentation Date:</b>	April 11, 2003 - Pacific Ballroom D - 4:00 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
<b>Recipient:</b>	<i>Amy Robichaux</i>
<b>Location:</b>	Vanderbilt University, Nashville, TN
<b>Abstract Title:</b>	Organotypic Raft Cultures as an Effective In Vitro Tool for Understanding Spectral Analysis of Tissue
<b>Presentation Date:</b>	April 11, 2003 - Pacific Ballroom D - 2:30 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)

# ANNUAL MEETING GRANT RECIPIENTS

- Recipient:** Christopher Grady Rylander  
**Location:** University of Texas at Austin, Austin, TX  
**Abstract Title:** Spatial Refractive Index Determination of Single Cells Using Differential Phase Optical Low-Coherence Reflectometry  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D - 4:15 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
- Recipient:** Ramesh K. Shori  
**Location:** UCLA, Los Angeles, CA  
**Abstract Title:** Limitations of Quantifying Optical Properties of Water and Tissue Using Shock Velocity Measurements  
**Presentation Date:** April 13, 2003 - Pacific Ballroom AB - 9:45 a.m. (Poster - 6:00 p.m. - 7:00 p.m.)
- Recipient:** Rosany Silva  
**Location:** Campinas, Sao Paulo, Brazil  
**Abstract Title:** HeNe Laser Radiation in Skeletal Muscle Injected With Bothrops Jararacussu Snake Venom  
**Presentation Date:** April 12, 2003 - Pacific Ballroom D - 4:30 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
- Recipient:** John Strasswimmer  
**Location:** Wellman Laboratories of Photomedicine, Massachusetts General Hospital, Boston, MA  
**Abstract Title:** Characterization of Basal Cell Carcinoma by Multimode Optical Coherence Tomography  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D - 4:30 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)
- Recipient:** Oliver Stumpp  
**Location:** University of Texas at Austin, Austin, TX  
**Abstract Title:** Influence of Optical Skin Clearing on Fluorescence Emission Intensity  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D - 2:15 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
- Recipient:** John A. Viator  
**Location:** Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA  
**Abstract Title:** In Vivo Depth Profiling of Epidermal Melanin Using Photoacoustic Analysis  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D - 2:45 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)
- Recipient:** Lutz Wilden  
**Location:** Bad Füssing, Germany  
**Abstract Title:** Importance of the Wave Aspect of Electrons in Regard to the Mitochondrial Energy Transfer  
**Presentation Date:** April 12, 2003 - Pacific Ballroom D - 4:15 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
- Recipient:** Paul Wu  
**Location:** Northwestern University, Evanston, IL  
**Abstract Title:** Tissue Polarization Imaging of Multiply-Scattered Reflected Light  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D - 4:45 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)
- Recipient:** Alvin T. Yeh  
**Location:** Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA  
**Abstract Title:** Optical Clearing Affects Collagen Structure Reversibly  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D - 2:00 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
- Recipient:** Jong-In Youn  
**Location:** Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA  
**Abstract Title:** Electrokinetic Measurements of Cartilage Using Differential Phase Optical Coherence Tomography  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D - 5:00 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)
- Recipient:** Vladimir Zharov  
**Location:** University of Arkansas for Medical Sciences, Little Rock, AR  
**Abstract Title:** Laser Thermal-Based Manipulation of Cells and Probes  
**Presentation Date:** April 12, 2003 - Pacific Ballroom D - 2:30 p.m. (Poster - 5:00 p.m. - 6:00 p.m.)
- Recipient:** Dan Zhu  
**Location:** Huazhong University of Science & Technology, Wuhan, China  
**Abstract Title:** A Laser Speckle Microscopic System for Monitoring the Dynamic Blood Perfusion  
**Presentation Date:** April 11, 2003 - Pacific Ballroom D - 5:15 p.m. (Poster - 6:00 p.m. - 7:00 p.m.)

# STUDENT RESEARCH GRANT

The purpose of the ASLMS Student Research Grants is to promote meritorious student research related to lasers in medicine and surgery by students and others who are working towards degrees in relevant fields. The \$2,000 awards will sponsor the following individual's research projects related to lasers in medicine and surgery. Congratulations!

**Recipient:** *Hammer Amit*  
**Location:** National Institutes of Health, Bethesda, MD  
**Research Topic:** Computational Model of Fluorescent Antibody-Based Imaging  
**Sponsor:** Israel Gannot, Ph.D.

**Recipient:** *Anahita Basirnia*  
**Location:** Tehran University of Medicine, Tehran, Iran  
**Research Topic:** The Effect of Low Power Laser Irradiation on Bone Marrow in Rat: A Comparison Between Normal and Suppressed Bone Marrow  
**Sponsor:** Ahmad Kaviani, M.D.

**Recipient:** *Lynn Chiu*  
**Location:** Beckman Laser Institute and Medical Clinic, University of California-Irvine, Irvine, CA  
**Research Topic:** The Effect of Photodynamic Therapy on Human Keloid Fibroblasts in Tissue Engineered Keratinocyte-Fibroblast Co-Culture Evaluated by Two-Photon Microscopy  
**Sponsor:** Brian J.F. Wong, M.D., Ph.D.

**Recipient:** *Joshua Collins*  
**Location:** Thomas Jefferson University, Jefferson Medical College, Philadelphia, PA  
**Research Topic:** Determine the Concentration of Photofrin to Provide Total Kill of Varying Concentrations of Aspergillus Fumigatus Using PDT  
**Sponsor:** Shamus Carr, M.D.

**Recipient:** *Quan Liu*  
**Location:** University of Wisconsin-Madison, Madison, WI  
**Research Topic:** Depth-Related Fluorescence Ratio Spectroscopy for Detection of Precancers in Epithelial Tissues  
**Sponsor:** Nirmala Ramanujam, Ph.D.

# GENERAL INFORMATION

## ABSTRACTS

Each presentation is listed with the corresponding abstract number and can be found in Supplement XV, 2003 of the *Journal, Lasers in Surgery and Medicine*, which is included in your registration packet.

## REGISTRATION

The registration fee for the ASLMS Annual Meeting includes admission by badge to the plenary sessions, breakout sessions, expert panels, wine and cheese reception, all scheduled refreshment breaks, and one copy of the supplement *Journal, Lasers in Surgery and Medicine*. Badges are given at the time of registration. Spouse/guest badges are available upon request. There are separate fees for courses and workshops held in conjunction with the Annual Meeting.

## REFUND POLICY

A service charge of \$50 will be assessed for processing refunds. No refunds on courses, workshops and/or luncheons after February 28, 2003.

## REGISTRATION HOURS

Wednesday, April 9, 2003	12:00 p.m. - 5:00 p.m.
Thursday, April 10, 2003	6:00 a.m. - 5:00 p.m.
Friday, April 11, 2003	7:00 a.m. - 4:00 p.m.
Saturday, April 12, 2003	7:00 a.m. - 2:00 p.m.
Sunday, April 13, 2003	7:00 a.m. - 11:00 a.m.

## EXHIBIT REGISTRATION HOURS

Friday, April 11, 2003	7:00 a.m. - 4:00 p.m.
Saturday, April 12, 2003	7:00 a.m. - 1:30 p.m. 5:00 p.m. - 7:30 p.m.
Sunday, April 13, 2003	7:00 a.m. - 11:00 a.m.

Anyone who has not registered for the conference and who wishes to enter the exhibit hall must have a name badge. There are two options available ON-SITE for one day only. An exhibit-hall-only badge is \$35. A special guest badge is available for persons who ARE NOT business colleagues, physicians, or office staff in any capacity. Traditionally, guest badges are issued on an honor system and are intended for use by spouses and significant others. Children under the age of 16 are not permitted in the Exhibit Hall. Your respect of this policy is appreciated.

## AUDIOCASSETTES

Audiocassette tapes of any session from the ASLMS 23rd Annual Meeting (April 9-13, 2003) can be purchased at the AudioExcellence desk. Luncheons will NOT be audiotaped. Please be sure to take advantage of the certificate in the back of this program for one complimentary cassette of your choice. Audiocassette coupons must be redeemed at the time of the Annual Meeting.

## ASLMS BUSINESS MEETING

Attention Members: A \$10.00 lunch voucher will be available to members who attend the ASLMS Business Meeting. Vouchers will be available at the door at the conclusion of the Business Meeting. We encourage all members to attend.

## COFFEE BREAK/CASH LUNCH

Refreshments and a cash lunch will be available in the exhibit hall. This is an excellent opportunity for you to visit and spend time with our exhibitors and to let them know that their presence

and monetary support of our Society are deeply appreciated.

## CONTINENTAL BREAKFAST

A continental breakfast will be provided to conference attendees from 6:30 a.m. - 8:00 a.m. on April 11-13. The complimentary continental breakfast will be located near the ASLMS registration area.

## HOTEL INFORMATION

Hotel checkout time is 11:00 a.m. If you are a registered guest at the Hilton Anaheim, arrangements can be made to secure your luggage with the bell captain while you attend the sessions. Reservations for tours and local restaurants can be made at the hotel concierge desk.

## LITERATURE / PHOTOGRAPHY / VIDEOTAPING POLICY

NO literature can be distributed during courses and scientific sessions. NO photography or videotaping is permitted in courses, scientific sessions, and exhibit hall.

## MESSAGE CENTER

Messages can be left and picked up on the message board located near the ASLMS registration area. The telephone and fax number of the Anaheim Hilton are (714) 750-4321, FAX: (714) 740-4460.

## OFFICIAL LANGUAGE

The official language at the ASLMS 23rd Annual Meeting and Courses is English. No simultaneous translation is available.

## PRESENTATION SERVICES

The ASLMS has secured Presentation Services, the in-house audiovisual company at the Anaheim Hilton, for our April 2003 meeting. If you have any specific concerns or questions in regard to your presentation, please contact Presentation Services at (714) 740-4473. A reminder that speakers must bring their own laptops for their LCD presentations and must arrive in their scheduled room at least 20-30 minutes prior to the start of the session.

## PRESS

Representatives from Kinzie and Green will be available to coordinate press related issues. Please visit the ASLMS registration desk for additional information. A table will be available near the registration desk for press releases.

## RED, WHITE & BLUE RIBBONS / RESEARCH EDUCATION FUND

The red, white & blue ribbons you may note on meeting badges signify a member who has given a contribution to the Research and Education Fund and/or the Podiatric Research and Education Fund.

## RIBBONS

You may note that some individuals are wearing 1st Time Attendee and New Member ribbons. If you see individuals wearing these ribbons, please be sure to welcome them to the ASLMS meeting.

# GENERAL INFORMATION

## SLIDE PREVIEW ROOM

The Palisades room will be open the following hours to anyone wishing to preview their slides or videos:

Wednesday, April 9, 2003	7:00 a.m. - 5:00 p.m.
Thursday, April 10, 2003	7:00 a.m. - 9:00 p.m.
Friday, April 11, 2003	7:00 a.m. - 5:30 p.m.
Saturday, April 12, 2003	7:00 a.m. - 5:00 p.m.
Sunday, April 13, 2003	7:00 a.m. - 1:00 p.m.

Slides and videos must be labeled and given to the projectionist in your scheduled room prior to the session. An audiovisual technician will be available during the following hours in the Palisades room to test your equipment.

Thursday, April 10, 2003	5:00 p.m. - 9:00 p.m.
Friday, April 11, 2003	9:30 a.m. - 1:30 p.m.

## RESPONSIBLE DRINKING POLICY

With alcohol served at the Wine and Cheese Receptions, the ASLMS encourages responsible drinking. In addition to alcoholic beverages, non-alcoholic options are provided. No alcohol is served to anyone under age 21.

## SMOKING

For your comfort and health, smoking is not permitted at any conference function. This includes educational and social activities. Your cooperation in complying with this request is appreciated.

\* \* \* \* \*

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## DISCLAIMER

The views expressed and materials presented throughout the Annual Meeting whether during scientific sessions, instructional courses, or otherwise, represent the personal views of the individual participants and do not represent the opinion of the American Society for Laser Medicine and Surgery, Inc. This organization assumes no responsibility for the content of the presentations made by an individual participant or group of participants. Programs are prepared and published by the ASLMS.

## DISCLOSURE OF FACULTY'S AND SPEAKER'S COMMERCIAL RELATIONSHIP(S)

Consistent with the ASLMS's policy, faculty and speakers for the conference are expected to disclose to you at the beginning of their presentation, any economic or other personal interests that create, or may be perceived as creating, a conflict related to the material discussed. This policy is intended to make you aware of faculty's and speaker's interests, so you may form your own judgements about such material. Disclosure of faculty's and speaker's relationship(s) is indicated in the conference program. Please be advised that FDA approval is specific as regards approved uses and labeling of drugs and devices. The presenter must disclose whether or not the device/treatment is approved by the FDA or if it is considered to be investigational, and must fully disclose any off-label use of devices, drugs or other materials that constitute the subject of the presentation.

## ANNUAL MEETING OBJECTIVES

### Educational Needs

The purpose of the annual ASLMS meeting is to instruct in basic and clinical aspects of laser surgery and medicine by didactic lectures, panels, workshops, courses, and specialty specific lectures.

### Expected Participants

Physicians attending the meeting include dermatologists, plastic surgeons, otolaryngologists, urologists, general surgeons, ophthalmologists, orthopedic surgeons, neurologists, neurosurgeons, cardiologists, cardiac surgeons, oncologists, oncologic surgeons as well as other physicians interested in laser technology. The meeting is geared to provide through expert laser physicians, dentists, oral and maxillofacial surgeons, laser assistants, nursing/ allied health laser professionals, laser researchers, laser industry representatives and governmental laser professionals who will share information on lasers including clinical and research uses.

### Expected Topics

Topics include the Annual Meeting is expected to have a very particular background in laser medicine and surgery.

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# **PAST PRESIDENTS**

**1981**

**Organizational Meeting - San Diego, CA**

**1981 - 1982**

**Annual Meeting - Hilton Head Island, SC**

*Leon Goldman (deceased)*

**1982 - 1983**

**Annual Meeting - New Orleans, LA**

*Joseph H. Bellina, New Orleans, LA*

**1983-1984**

**Annual Meeting - Salt Lake City, UT**

*John A. Dixon (deceased)*

**1984-1985**

**Annual Meeting - Orlando, FL**

*Hugh Beckman, Detroit, MI*

**1985-1986**

**Annual Meeting - Boston, MA**

*Geza J. Jako, Melrose, MA*

**1986-1987**

**Annual Meeting - San Francisco, CA**

*Kenneth A. Arndt, Chestnut Hill, MA*

**1987-1988**

**Annual Meeting - Dallas, TX**

*Michael W. Berns, Irvine, CA*

**1988-1989**

**Annual Meeting - Arlington, VA**

*John A. Parrish, Boston, MA*

**1989-1990**

**Annual Meeting - Nashville, TN**

*Robert H. Ossoff, Nashville, TN*

**1990-1991**

**Annual Meeting - San Diego, CA**

*David B. Apfelberg, Atherton, CA*

**1991-1992**

**Annual Meeting - Orlando, FL**

*Michael S. Baggish, Cincinnati, OH*

**1992-1993**

**Annual Meeting - New Orleans, LA**

*Leonard J. Cerullo, Chicago, IL*

**1993-1994**

**Annual Meeting - Toronto, Ontario, Canada**

*Ronald G. Wheeland, Santa Fe, NM*

**1994-1995**

**Annual Meeting - San Diego, CA**

*Carmen A. Puliafito, Miami, FL*

**1995-1996**

**Annual Meeting - Orlando, FL**

*Raymond J. Lanza fame, Rochester, NY*

**1996-1997**

**Annual Meeting - Phoenix, AZ**

*James A. Duncavage, Nashville, TN*

**1997-1998**

**Annual Meeting - San Diego, CA**

*David J. Goldberg, Westwood, NJ*

**1998-1999**

**Annual Meeting - Lake Buena Vista, FL**

*Bryan P. Shumaker, Waterford, MI*

**1999-2000**

**Annual Meeting - Reno, NV**

*Marvin P. Fried, Bronx, NY*

**2000-2001**

**Annual Meeting - New Orleans, LA**

*Richard E. Fitzpatrick, Encinitas, CA*

**2001-2002**

**Annual Meeting - Atlanta, GA**

*J. Stuart Nelson, Irvine, CA*

# ASLMS STANDING COMMITTEES

## Awards

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Roy G. Geronemus, New York, NY  
Joseph T. Walsh, Jr., Evanston, IL  
A. Jay Burns, Dallas, TX  
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George S. Abela, East Lansing, MI  
David J. Goldberg, Westwood, NJ  
Thomas E. Rohrer, Chestnut Hill, MA

## Electronic Communication and Publications

Robert A. Weiss (Chair), Hunt Valley, MD  
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Jerome M. Garden, Chicago, IL  
David J. Goldberg, Westwood, NJ  
Robert H. Ossoff, Nashville, TN

## Ethics and Conflict of Interest

A. Jay Burns (Chair), Dallas, TX  
Jerome M. Garden, Chicago, IL  
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Raymond J. Lanzafame, Rochester, NY  
Robert H. Ossoff, Nashville, TN

Bryan P. Shumaker, Waterford, MI  
Ronald G. Wheeland, Santa Fe, NM

## International Affairs

Brian D. Zelickson (Chair), Minneapolis, MN  
J. Stuart Nelson, Irvine, CA  
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David J. Goldberg, Westwood, NJ  
Mario Grinblat, Brazil  
Suzanne L. Kilmer, Sacramento, CA  
Penny J. Smalley, Chicago, IL

## Nominating

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Donna C. Gabriel, Boston, MA  
Reza S. Malek, Rochester, MN  
Lou Reinisch, New Zealand  
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## Research and Development

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Joseph T. Walsh, Jr., Evanston, IL  
Eliot F. Battle, Jr., Washington, DC  
Harvey Lui, Canada  
J. Stuart Nelson, Irvine, CA  
Whitney D. Tope, Minneapolis, MN

## Safety

Penny J. Smalley (Chair), Chicago, IL  
Jeffrey S. Dover, Chestnut Hill, MA  
Lou Reinisch, New Zealand  
Kenneth A. Arndt, Chestnut Hill, MA  
Thomas O. McMeekin, Rochester, NY  
Myron L. Wolbarsht, Durham, NC

## Socioeconomic Affairs

David H. McDaniel (Chair), Virginia Beach, VA  
Christine C. Dierickx, Belgium  
Sylvie Angel, France  
Agneta Troilius, Sweden  
Kay A. Ball, Lewis Center, OH  
Kenneth R. Beer, West Palm Beach, FL  
Dale P. Goodwin McMeekin, Rochester, NY

## Standards of Training

David J. Goldberg (Chair), Westwood, NJ  
Carmen A. Puliafito, Miami, FL  
Suzanne L. Kilmer, Sacramento, CA  
Jeffrey S. Dover, Chestnut Hill, MA  
Roy G. Geronemus, New York, NY  
George J. Hruza, Town & Country, MO  
Gary P. Lask, Los Angeles, CA

# RESEARCH AND EDUCATION & PODIATRIC RESEARCH AND EDUCATION FUND DISTRIBUTORS

The ASLMS is able to offer grants as a result of contributions received from ASLMS members. Grant recipients are listed in the Awards/Grants section of this program.

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Isaac Willis  
Behnaz Yazdanfar

# **MEMBER-GET-A-MEMBER PROGRAM**

Congratulations to the members of the ASLMS who participated in the 2002 Member-Get-A-Member campaign. The following members were eligible to receive rewards.

Adrian, Robert, M.D.	Grekin, Roy, M.D.	Owens, Patricia, R.N.
Ahcan, Uros, M.D., Ph.D.	Grevelink, Joop, M.D.	Paithankar, Dilip, Ph.D.
Ailes, Robert, M.D.	Griffin, Linda, R.N.	Peavy, George, D.V.M.
Alster, Tina, M.D.	Hope, Richard, M.D.	Pope, Steven, D.V.M.
Anderson, R. Rox, M.D.	Hoopman, John	Poureshagh, Mehran, M.D.
Auster, Barry, M.D.	Hruza, George, M.D.	Proskiw, Bryan, M.D.
Baer, Norma, R.N.	Iqbal, Javed, M.D.	Puliafito, Carmen, M.D.
Baker, Sterling, M.D.	Jenkins, Faye, R.N.	Ratz, John, M.D.
Battle, Jr., Eliot, M.D.	Karrs, Thomas, M.D.	Roberts, Wallace
Bisaccia, Emil, M.D.	Karikomi, Kevin, D.O.	Rohrer, Thomas, M.D.
Braun, Marten, M.D.	Katariya, Prakash	Ross, E. Victor, M.D.
Brown, Bonnie	Kilmer, Suzanne, M.D.	Sadick, Neil, M.D.
Brown, Trudy	Kovak, Stanley, M.D.	Schriver, Angelique, R.N.
Brunetaud, Jean-Marc, M.D.	Krause, Steven, M.D.	Schubert, William, Jr.
Buscaglia, Daniel, D.O.	Kutun, Joel	Shapiro, Steven, M.D.
Campos, Valeria, M.D.	Lanzafame, Raymond, M.D.	Silverberg, Nancy, M.D.
Carli, Alexander, M.D.	Lask, Gary, M.D.	Smith, Kevin, M.D.
Chiaromonti, Alexander, M.D.	Lederman, Samuel, M.D.	Solomons, Neil, M.B.Ch.B.
Coard, Floyd, M.D.	Licznarski, Barbara, M.D.	Spencer, James, M.D.
Collins, Deborah, R.N.	Lim, Joyce, M.D.	Stilwell, Dorenda
Dayan, Steven, M.D.	Lloyd, Jenifer, D.O.	Stolman, Lewis, M.D.
DiBacco, Richard D., D.P.M.	Loven, Keith, M.D.	Tankovich, Nikolai, M.D., Ph.D.
Dover, Jeffrey, M.D.	MacGillis, Diane, M.D.	Taub, Amy, M.D.
Ellis, Daryl, M.D.	Malik, Azhar, M.D.	Van Antwerp, Ross, D.O.
Ellis, Howard, M.D.	Malek, Reza, M.D.	Van Camp, Paul, M.D.
Eubanks, Stephen, M.D.	Mangelsdorf, Heidi, M.D.	Walsh, Jr., Joseph, Ph.D.
Fitzpatrick, Richard, M.D.	McBurney, Elizabeth, M.D.	Waner, Milton, M.D.
Fried, Marvin, M.D.	McCune, Mark, M.D.	Watson, Laurie, LPN
Gampper, Thomas, M.D.	McDaniel, David, M.D.	Wheeland, Ronald, M.D.
Garden, Jerome, M.D.	McMeekin, Thomas, M.D.	Williamson, Baron, M.D.
Garrott, Thomas, M.D.	Mincey, John	Windsor, Susan, R.N.
Geronemus, Roy, M.D.	Morison, Warwick, M.D.	Zachary, Christopher, M.D.
Ghidorzi, Jr., Anthony, D.O.	Nanni, Christopher, M.D.	Zeitels, Steven, M.D.
Goins, Annette, R.N.	Nelson, J. Stuart, M.D., Ph.D.	Zelickson, Brian, M.D.
Goldberg, David, M.D., J.D.	Nestor, Mark, M.D., Ph.D.	Zimmerman, Edward, M.D.
Goos, Samuel, M.D.	O'Hare, Deirdre, R.N.	
Gregory, Richard, M.D.	Ort, Richard, M.D.	



### **Dermatology / Plastic Surgery**

**Christopher B. Zachary, M.D.**  
University of California-San Francisco, San Francisco, CA

Dr. Christopher B. Zachary received his medical training at the Royal Free Hospital School of Medicine, University

of London, England, and general dermatology training at St. John's Institute of Dermatology in London. In 1985, he came to the USA for a dermatologic surgery and laser fellowship at the University of Michigan, Ann Arbor. In 1986, he set up London's first laser and skin cancer center at St. Johns Hospital. He is currently clinical professor of dermatology at the University of California at San Francisco, and co-director of the Cutaneous Surgery and Laser Center. He enjoys the academic life and banter of conflicting ideas. His clinical interests are in cutaneous laser surgery, skin cancer, reconstructive surgery, and cosmetic surgery. He founded LaserNews.net, LaserExpress, and the MDlive.net online resident lecture series. He has authored many papers, chapters and one book. He travels and lectures internationally, though his main interest lies at home, namely his family.



### **Nursing/Allied Health**

**Susan L. Olson, R.N.**  
Minneapolis, MN

Ms. Susan L. Olson's specialty training in laser surgery began in November, 1987 when she began work at The Laser Center of Abbott Northwestern Hospital

in Minneapolis. The Laser Center provided support to physicians across specialties (cardiology, general surgery, neurosurgery, orthopedic surgery, dermatology/plastic surgery, urology, gynecology, and ophthalmology) in both the inpatient and outpatient arenas of the hospital. The Laser Center coordinated and staffed continuing medical education programs that instructed physicians in the new laser procedures and applications. The Laser Center also offered a research facility that allowed physicians to develop new techniques and to do clinical research studies. Ms. Olson's role expanded from staff to clinical manager. Ms. Olson has been active in the ASLMS since attending her first national meeting in 1988. She has presented at the Nursing/Allied Health section meetings, and also at several allied health education days. She has published an article on Pediatric Anesthesia During Laser Therapy for Removal of Portwine Stains. In 1998 she was the education chairperson for the ASLMS preconference and again coordinated the program in 2000. Currently, she serves as the director at the Center for Cosmetic Care, Abbott Northwestern Hospital.

### **Photodynamic Therapy/Oncology**

**Charles J. Gomer, Ph.D.**  
Childrens Hospital Los Angeles, Los Angeles, CA

Dr. Gomer received his Ph.D. in radiation biology from SUNY-Buffalo in 1978. He subsequently completed a two-year post-doctoral fellowship in radiation biology and photobiology from Los Alamos Scientific Laboratory. Dr. Gomer was recruited to the University of Southern California and Childrens Hospital Los Angeles in 1980. He is currently professor of pediatrics, radiation oncology, and Molecular Pharmacology. Dr. Gomer's research interests include the molecular and translational aspects of photodynamic therapy.



### **Photobiomodulation**

**Juanita J. Anders, Ph.D.**  
USUHS, Bethesda, MD

Dr. Juanita J. Anders is an associate professor of anatomy, physiology and genetics at Uniformed Services University of the Health Sciences. She

also has a secondary appointment as associate professor of neuroscience at USUHS. She received her Ph.D. in anatomy from the University of Maryland Medical School. After completing her degree she was a staff fellow in the Laboratory of Neuropathology and Neuroanatomical Sciences, NINDS, NIH where she specialized in glial-neural interaction in central nervous system injury and disease. Since joining USUHS, her research interests have expanded to include the effects of low level energy therapy on wound healing. She is currently doing research on the effects of low power laser irradiation on healing cutaneous wounds in an animal model of type II diabetes, the Fat Sand Rat and as a therapy for regeneration of the corticospinal tract after spinal cord injury. Her laboratory is also examining the effects of transplantation of ensheathing glia on CNS nerve regeneration and characterizing neural stem cells populations in the goldfish brain and using these stem cells to replace dopaminergic neurons after neurotoxic insult. Besides teaching head and neck anatomy and neuroanatomy to first year medical students, she is director of the graduate program in anatomy, physiology and genetics. Dr. Anders has served on the Executive Councils of several laser societies, is a founding member of the International Academy of Laser Medicine and Surgery and serves as a reviewer for several journals.



### **Surgical Applications**

**Bryan P. Shumaker, M.D.**  
Waterford, MI

Dr. Bryan P. Shumaker is a board certified urologist. He is the director of laser science, research, and new technology, St. John Hospital and

Medical Center, Detroit, Michigan, and a member of the Michigan Institute of Urology. He is assistant professor of physics at Oakland University and has been a primary photodynamic therapy researcher for Lederle Labs, and has done prototype development and clinical research for a number of laser companies. Besides having served two terms as one of the surgery representatives on the ASLMS board, he has been urology section chair for five years. He was also group leader of the 1990 ASLMS sponsored trip to the former Soviet Union to assess Russian laser development and was asked to lead a People to People trip to Asia in the fall of 1998. He served two consecutive years as chair of the finance committee. Dr. Shumaker served on the government liaison/blue ribbon and the electronic communications committees. His present activities include clinical laser research in the treatment of urologic disease. An active private pilot, he also enjoys sailing, scuba diving, and traveling.

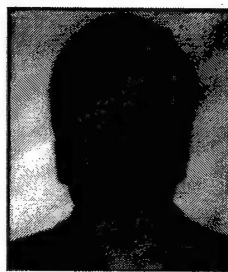


### **Surgical Applications**

**H. Peter Berlien, M.D.**  
Hospital Neukoelln, Laser Medical  
Berlin, Germany

Dr. H. Peter Berlien was born on August 18, 1950. Dr. Berlien received his medical degree from the Freie Universitat Berlin

where he also completed an internship. From 1977 to 1983 he served as assistant at the department of surgery at the Klinikum Steglitz in Berlin. In 1981 he received his Dr. med. doctorate. From 1983 to 1985 Dr. Berlien served as assistant professor and senior resident at the pediatric surgery department at the Klinikum Steglitz (University Clinic), Berlin. Since 1985 he has served as the medical director of the Laser-Medizin-Zentrum GmbH (now LMTB). In 1987 he received a Ph.D. in surgery. Dr. Berlien is the professor of laser medicine at the Freie Universitat Berlin and head of the newly founded department for laser medicine in the General Hospital Neukolln in Berlin.



### **Video Session**

**Brian S. Biesman, M.D.**  
Nashville, TN

Dr. Brian S. Biesman received his undergraduate and medical education at the University of Michigan where he graduated with high honors. He

completed his ophthalmology residency at the Illinois Eye and Ear Infirmary before taking fellowship training in ophthalmic plastic and reconstructive surgery at Manhattan Eye, Ear and Throat Hospital in New York. Upon completion of his fellowship, Dr. Biesman returned to Chicago where he served as chief resident. Dr. Biesman then moved to Boston where he assumed the directorship of the Eye Plastics and Orbit Service and the Center for Aesthetic Eyelid and Facial Surgery at the New England Medical Center, and was an assistant professor of ophthalmology at Tufts University School of Medicine. Over the next four years he earned faculty appointments in the division of otolaryngology at the New England Medical Center and the divisions of dermatology and plastic and reconstructive surgery at the Beth Israel Deaconess Medical Center in Boston. Dr. Biesman then moved to Nashville, Tennessee where he pursued basic laser research at Vanderbilt University Medical Center and clinical research at the Nashville Centre for Laser and Facial Surgery. Dr. Biesman has spoken and taught at the local, national and international levels on the topic of aesthetic laser surgery. He has authored many scientific papers and has written a textbook on the use of lasers in cosmetic and reconstructive surgery. His research is directed toward broadening the use of lasers in soft tissue surgery. He is an active member of the American Society of Ophthalmic Plastic and Reconstructive Surgery, American Society for Laser Medicine and Surgery, Oculoplastic Aesthetic Society, New England Oculoplastic Society, American Academy of Ophthalmology, and the American Medical Association.



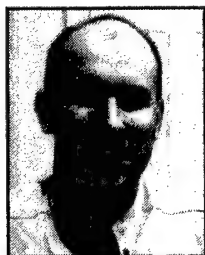
### **Posters**

**Whitney D. Tope, Mphil, M.D.**  
University of Minnesota,  
Minneapolis, MN

Dr. Whitney D. Tope received his undergraduate and medical degrees at

Duke University. During medical school he earned a master of philosophy degree in immunology from the University of Cambridge. After internship at the University of Washington, Dr. Tope returned to Duke for residency training in dermatology. This training was followed by fellowship training in Advanced Dermatologic Surgery at Oregon Health Sciences University and in Lasers and Photobiology at the Wellman Laboratories of Photomedicine. His research at Wellman focused on laser tissue interactions, laser treatment of tattoos, and photodynamic therapy. Dr. Tope has been an ASLMS Fellow since 1994 and now serves on the publications and research and development committees. He is the director of the University of Minnesota's Cutaneous Surgery & Laser Center and teaches dermatologic surgery at the Minneapolis VAMC. He is also a fellow of the

American Academy of Dermatology, American College of Mohs Micrographic Surgery and Cutaneous Oncology, and the American Society for Dermatologic Surgery.



### **Posters**

**E. Duco Jansen, Ph.D.**

**Vanderbilt University, Nashville, TN**

Dr. E. Duco Jansen received his M.S. (Drs) degree in medical biology from the University of Utrecht, Utrecht, The Netherlands in 1990, and the M.S. and Ph.D.

degrees in biomedical engineering from The University of Texas at Austin in 1992 and 1994, respectively. He joined the department of biomedical engineering at Vanderbilt University in 1997 as assistant professor. His research interests include mechanisms of pulsed laser ablation of biological tissue, cellular and biochemical responses of biological tissue to laser radiation, medical applications of lasers and in vivo optical imaging of tissue ultrastructure and molecular/cellular processes, including gene expression. He serves as director of the in vivo imaging core of the NIH-funded Vanderbilt In Vivo Imaging Center. He is also actively involved in the NSF-funded Engineering Research Center (ERC) for Biomedical Engineering Education Technology.



### **Exhibits**

**Gregory T. Absten, BSc, MBA, CLRT**

**Marathon Shores, FL**

Mr. Absten is the president of National Laser Parts and Service - an independent laser service company. He also serves as the executive director of the nonprofit

Professional Medical Education Association and its Laser Training Institute Division. He is certified as a laser repair technician through the National Council on Laser Excellence. Mr. Absten holds an undergraduate degree in allied medicine from the Ohio State University College of Medicine, and a masters in business administration from the University of Dayton, focusing on the medical laser industry. He is an internationally recognized lecturer and author, and has conducted hands-on medical laser training programs in most specialties for over 20 years.

## APRIL 11-13 CONFERENCE

### ACCME Accreditation Statement

The American Society for Laser Medicine and Surgery, Inc. is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

### Continuing Education Credit

The American Society for Laser Medicine and Surgery, Inc. designates this educational activity for a maximum of 15.5 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.

\* \* \* \* \*

### CEU Contact Hours

Nursing/Allied Health Session*	2.4 contact hours
Nursing/Allied Health Course*	9.3 contact hours

\*These offerings by the ASLMS, in conjunction with Professional Medical Education Assn., are accredited for the above stated contact hours. Professional Medical Education Assn. is approved by the California Board of Registered Nursing, Provider #CEP 12386. Note: Most State Boards of Nursing accept another State Board's approval for granting credits. Check with the Board of Nursing in your state for clarification. Certificates of Attendance will be provided.

## PRE-CONFERENCE COURSES

Laser Treatment of Vascular Lesions Including Leg Veins	3.5 credit hours
Laser Safety: Beyond Signs and Goggles	2 credit hours
Basic Laser Biophysics: Lasers, Light Tissue Interactions, and the Patient	3 credit hours
Laser and Light Source Hair Removal	3 credit hours
Non-Ablative and Ablative Laser Resurfacing	3 credit hours
Nursing/Allied Health Course*	9.3 contact hours

## "HOW I DO IT" LUNCHEONS

Ablative Resurfacing	1 credit hour
Hair Removal	1 credit hour
Vascular Lesions Including Leg Veins	1 credit hour
Non-Ablative Resurfacing: A Structural Approach	1 credit hour
Non-Ablative Resurfacing	1 credit hour
Laser Treatment in Asians	1 credit hour

## WORKSHOPS

Optimizing Laser Parameters for Treatment of Cutaneous Vascular Lesions	2 credit hours
Collagen Remodeling and Non-Ablative Photorejuvenation	2 credit hours
Optical Diagnostic Imaging	2 credit hours

## ASLMS CME MISSION STATEMENT

The American Society for Laser Medicine and Surgery (ASLMS) is dedicated to enhancing the understanding of lasers and the application of lasers and related technologies in biomedicine. The ASLMS accomplishes this goal through committee meetings, general sessions, the annual meeting and educational courses. A variety of educational formats are used including plenary lectures, scientific paper and poster presentations, panel discussions, didactic lectures, and hands-on educational courses. ASLMS is a multi-disciplinary group whose membership includes representatives from all medical and surgical disciplines, nursing, dentistry, podiatric medicine, veterinary medicine, industry, research and government. The latest information regarding biomedical applications of laser technologies is presented by experts from these fields. The ASLMS is the largest organization of its kind and seeks to enhance dialogue between clinicians, scientists, industry and government through its variety of educational formats. Integrated programs are designed to enable each participant at the annual meeting to select the program and course of learning which best meets individual educational needs while at the same time covering a broader more balanced range of topics. Written and verbal evaluations measure the degree to which these educational objectives are met and also provide information for future meetings. The ASLMS also functions as both advocate and advisor to a variety of groups and organizations as well as the Food and Drug Administration. These programs are designed to foster dialogue and discussion between clinicians, scientists, and manufacturers. The ASLMS is committed to continuous quality improvement and excellence in all of its activities.

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# AMERICAN SOCIETY FOR LASER MEDICINE AND SURGERY, INC.

23<sup>rd</sup> ANNUAL MEETING – APRIL 11-13, 2003

## CME RECORD

			TIME IN	TIME OUT	CREDIT HOURS
Friday, April 11, 2003	MORNING	Plenary Session			
	AFTERNOON	Video Session			
		Basic Science: The Cutting Edge in Optical Diagnostics and Therapeutics of Tissues & Cells			
		Dermatology/Plastic Surgery			
		Nursing/Allied Health			
		Photobiomodulation			
		Photodynamic Therapy/Oncology			
		Surgical Applications			
		Careers in Laser Medicine			
		<b>TOTAL – APRIL 11, 2003</b>			

Saturday, April 12, 2003	MORNING	Plenary Session			
		Video Session			
		Basic Science: The Cutting Edge in Optical Diagnostics and Therapeutics of Tissues & Cells			
		Dentistry/O&M			
		Dermatology/Plastic Surgery			
		Photobiomodulation			
		Photodynamic Therapy/Oncology			
		Surgical Applications			
		<b>TOTAL – APRIL 12, 2003</b>			

Sunday, April 13, 2003	MORNING & AFTERNOON	Basic Science: The Cutting Edge in Optical Diagnostics and Therapeutics of Tissues & Cells			
		Dermatology/Plastic Surgery			
		<b>TOTAL – APRIL 13, 2003</b>			
		<b>GRAND TOTAL CREDITS</b>			

My signature verifies that I attended the 23<sup>rd</sup> Annual Meeting of the American Society for Laser Medicine and Surgery.

Signature

Street Address

Name – Please Print

City

State

Zip Code

**IN ORDER TO OBTAIN CME CREDITS FOR YOUR ATTENDANCE, THIS FORM MUST BE TURNED IN AT THE ASLMS REGISTRATION DESK PRIOR TO YOUR DEPARTURE FROM THE MEETING.**

# AMERICAN SOCIETY FOR LASER MEDICINE AND SURGERY, INC.

23<sup>rd</sup> ANNUAL MEETING

APRIL 11-13, 2003

## CRITIQUE SHEET

In order to obtain CME credits for your attendance, please complete this form as well as the CME Record and turn them in at the A.S.L.M.S. registration desk prior to your departure.

**Meeting Objectives:** The purpose of the annual ASLMS meeting is to instruct in basic and clinical aspects of laser surgery and medicine by didactic lectures, panels, courses and specialty specific lectures. The meeting will bring you up-to-date on the current understanding and theories of laser tissue interactions. Special panel sessions will be convened on the newer laser applications, such as ablative and non-ablative skin rejuvenation, leg vein treatments, and hair removal. The meeting will focus on the best international laser research.

1. What was your primary reason for attending the meeting?

☐ Obtain Continuing Education Credits

☐ Specialty/Plenary Session Speakers

☐ Opportunity for Peer Exchange

☐ Present a Paper/Poster

☐ Other \_\_\_\_\_

2. Did you realize your own objectives in attending this meeting?

☐ YES

☐ NO

☐ PARTIALLY

Please explain if no or partially:

3. What impact will this CME activity have on your professional effectiveness?

☐ Increase

☐ Decrease

☐ Remain the Same

4. Do you plan to do anything differently in your practice as a result of this CME activity?

☐ YES

☐ NO

If yes, please explain:

5. What, if anything, would you suggest changing to improve the next meeting (topics to be addressed, etc.)?

6. How would you rate your overall experience with CME activities at this year's Annual Meeting?

☐ Excellent

☐ Good

☐ Fair

☐ Poor

If poor, please explain:

7. Did you stay at the Hilton Anaheim?

\_\_\_\_ Yes

\_\_\_\_ No

If no, please indicate why you did not?

8. Did you take advantage of the eMeeting Manager program which was available on the ASLMS website?

\_\_\_\_ Yes

\_\_\_\_ No

Please critique the sessions attended according to the quality of presentations and relevance to practice using the following designations: <b>P – Poor      F- Fair      G - Good      E - Excellent      N - Not Attended</b>			Please indicate usefulness of presentations	
YOUR AREAS OF INTEREST (as many as appropriate)	QUALITY OF PRESENTATIONS	RELEVANCE TO PRACTICE	MOST USEFUL?	LEAST USEFUL?
Basic Science: The Cutting Edge in Optical Diagnostics and Therapeutics of Tissues and Cells				
Careers in Laser Medicine				
Dentistry/O&M				
Dermatology/Plastic Surgery				
Nursing/Allied Health				
Photobiomodulation				
Photodynamic Therapy/Oncology				
Plenary Session				
Surgical Applications				
Video Session				

\_\_\_\_\_  
Name (please print)

\_\_\_\_\_  
Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip Code

# *Future ASLMS Meeting Sites*

## **2003 ASLMS/BMLA/ELA INTERNATIONAL MEETING**

**September 21-23, 2003**

**Edinburgh International Conference Center**

**Edinburgh, Scotland**

## **2004 ASLMS ANNUAL MEETING**

**March 31 - April 4, 2004**

**Hyatt Regency Dallas**

**Dallas, TX**

## **2005 ASLMS ANNUAL MEETING**

**March 30 - April 3, 2005**

**Coronado Springs Resort**

**Lake Buena Vista, FL**

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meeting must include \$1.00 for shipping.***

***\* Win \* Win \* Win \****

### ***GREAT PRIZES***

*Complete and deposit this entry in the tumbler located  
in the Exhibit Hall. Drawings will take place in the  
Exhibit Hall on Saturday, April 12, 2003 at 6:00 p.m.  
during the Wine & Cheese Reception.*

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Country: \_\_\_\_\_



Abstract Deadline - April 21, 2003

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